

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 18, 2004, 22:32:57 ; Search time 222 Seconds  
(without alignments)  
8334.262 Million cell updates/sec

Title: US-10-046-433-39

Perfect score: 3334  
Sequence: 1 gcagaagcagcagccgacg.....atataaaaaaaaaaaaaa 3334

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 682709 segs, 27747546 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :  
1: Issued Patents NA: \*  
2: /cgn2\_6/ptodata/2/ina/5A.COMB.seq: \*  
3: /cgn2\_6/ptodata/2/ina/5B.COMB.seq: \*  
4: /cgn2\_6/ptodata/2/ina/6A.COMB.seq: \*  
5: /cgn2\_6/ptodata/2/ina/6B.COMB.seq: \*  
6: /cgn2\_6/ptodata/2/ina/backfile1.seq: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed.  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1705	51.1	1717	4	US-09-673-395A-11
2	424.4	12.7	426	4	US-09-702-705-913
3	424.4	12.7	426	4	US-09-736-457-913
4	424.4	12.7	426	4	US-09-614-124B-913
5	424.4	12.7	426	4	US-09-671-325-913
6	263.4	7.9	265	4	US-09-702-705-864
7	263.4	7.9	265	4	US-09-736-457-864
8	263.4	7.9	265	4	US-09-614-124B-864
9	189.6	5.7	231	4	US-09-671-325-864
10	189.6	5.7	231	4	US-09-622-575-45
11	189.6	5.7	231	4	US-09-389-681-45
12	189.6	5.7	231	4	US-09-620-405B-45
13	189.6	5.7	231	4	US-09-339-338-45
14	189.6	5.7	231	4	US-09-433-826B-45
15	189.6	5.7	231	4	US-09-604-287A-45
16	189.6	5.7	231	4	US-09-285-480-45
17	189.6	5.7	231	4	US-09-834-759-45
18	171	5.1	507	4	US-09-621-976-11843
19	164.4	4.9	492	4	US-09-621-976-11833
20	130.8	3.9	160	4	US-09-222-575-44
21	130.8	3.9	160	4	US-09-389-681-44
22	130.8	3.9	160	4	US-09-620-405B-44
23	130.8	3.9	160	4	US-09-339-338-44
24	130.8	3.9	160	4	US-09-433-826B-44
25	130.8	3.9	160	4	US-09-604-287A-44
26	130.8	3.9	160	4	US-09-285-480-44
27	130.8	3.9	160	4	US-09-834-759-44

28	51.4	1.5	7218	1	US-08-232-463-14	Sequence 14, Appl
29	45	1.3	1926	4	US-09-249-585A-2	Sequence 2, Appl1
30	45	1.3	1926	4	US-09-410-399-3	Sequence 3, Appl1
31	45	1.3	2580	3	US-09-050-863-2	Sequence 2, Appl1
32	45	1.3	2580	4	US-09-359-081-2	Sequence 2, Appl1
33	45	1.3	5452	2	US-09-130-114-1	Sequence 14, Appl
34	45	1.3	8705	4	US-08-647-344A-14	Sequence 1, Appl1
35	45	1.3	9600	4	US-08-810-647-1	Sequence 1, Appl1
36	45	1.3	9600	4	US-09-620-925-1	Sequence 15, Appl
37	45	1.3	10596	1	US-07-884-811-15	Sequence 15, Appl
38	45	1.3	10596	1	US-07-885-971-15	Sequence 15, Appl
39	45	1.3	10596	1	US-08-087-783A-15	Sequence 15, Appl
40	45	1.3	10596	1	US-08-194-088B-15	Sequence 15, Appl
41	45	1.3	10596	2	US-08-194-087-15	Sequence 15, Appl
42	45	1.3	10596	5	PCT-US93-04648-15	Sequence 15, Appl
43	45	1.3	16080	4	US-09-724-566A-48	Sequence 48, Appl
44	39	1.2	3708	1	US-08-185-232A-1	Sequence 1, Appl1
45	39	1.2	3708	1	US-08-416-523-1	Sequence 1, Appl1

## ALIGNMENTS

RESULT 1  
US-09-673-395A-11  
Sequence 11, Application US/09673395A  
Patent No. 6620923  
GENERAL INFORMATION:  
APPLICANT: SPECHT, THOMAS  
APPLICANT: HINZMANN, BERND  
APPLICANT: SCHMITT, ARMIN  
APPLICANT: PILARSKY, CHRISTIAN  
APPLICANT: DAHL, EDGAR  
APPLICANT: ROSENTHAL, ANDRE  
TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM UTERUS TUMOR TISSUE  
FILE REFERENCE: ALBRE-12  
CURRENT APPLICATION NUMBER: US/09/673, 395A  
CURRENT FILING DATE: 2000-10-17  
NUMBER OF SEQ ID NOS: 637  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 11  
LENGTH: 1717  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-673-395A-11

Query Match	51.1%	Score 1705	DB 4	Length 1717
Best Local Similarity	99.9%	Pred. No. 0		
Matches 1716	Conservative 0	Mismatches 0	Indels 1	Gaps 1
1610	ATTCTAGGACCAACTCTCTGTGAGACGTGGAAGTTCCAAAGGCAAAAGTCTTATA	1669		
1	ATTCTAGGACCAACTCTCTGTGAGACGTGGAAGTTCCAAAGGCAAAAGTCTTATA	60		
1670	CCATCATCTTTAGGAGAAACACTACACAGAGCTTACCTGGGCTTCCAGAGACCACTT	1729		
61	CCATCATCTTTAGGAGAAACACTACACAGAGCTTACCTGGGCTTCCAGAGACCACTT	120		
1730	TTATATGAGCAAGAGAGTACACCAATGACCTTCCAAAGTCTTCAATCAATGTCA	1789		
121	TTATATGAGCAAGAGAGTACACCAATGACCTTCCAAAGTCTTCAATCAATGTCA	180		
1790	CCATGTTATGAAATGCGTGCGCTCTACTGCCGCTGTGCTTGAAGGCTTGATG	1849		
181	CCATGTTATGAAATGCGTGCGCTCTACTGCCGCTGTGCTTGAAGGCTTGATG	240		
1850	TGGAGCTTCCTGACACTCTTGTCTGTGTTACTATATGACGAGATTGAGAACT	1909		
241	TGGAGCTTCCTGACACTCTTGTCTGTGTTACTATATGACGAGATTGAGAACT	300		
1910	GCCACTTCGCCCCCTTAACAATTTGAAAGCCCAAGCCTTATGTTCCAGGCTT	1969		
301	GCCACTTCGCCCCCTTAACAATTTGAAAGCCCAAGCCTTATGTTCCAGGCTT	360		

QY	3049	ACTGATGCGCGGTGAACAACATTCCTGAGAGGCCAGACATGAGACTGTGAGAGGCACTGC	3108
Db	1441	ACTGATGCGCGGTGAACAACATTCCTGAGAGGCCAGACATGAGACTGTGAGAGGCACTGC	1500
QY	3109	CTGCCTACCTGCTCCTCTCTGACCTTTGCATPAGACCTTTGGACAAGCTCTGCGCGCATTTGGGTG	3168
Db	1501	CTGCCTACCTGCTCCTCTCTCTGACCTTTGCATPAGACCTTTGGACAAGCTCTGCGCGCATTTGGGTG	1560
QY	3169	CCAGCATTCCTGCAACACCCACTGCTGGAATTCCTTATTTGGCTTATACATGTTTG	3228
Db	1561	CCAGCATTCCTGCAACACCCACTGCTGGAATTCCTTATTTGGCTTATACATGTTTG	1620
QY	3229	AATTTGAGATCTTTTTTTTATPAGATPACCAAAACCTCTCTTGTGCTTGCCTCAACCTGC	3288
Db	1621	AATTTGAGATCTTTTTTTTATPAGATPACCAAAACCTCTCTTGTGCTTGCCTCAACCTGC	1680
QY	3289	CAAAATATACCCACACTTGTGTTTGAATTTAAAAAAA	3325
Db	1681	CAAAATATACCCACACTTGTGTTTGAATTTAAAAAAA	1717

RESULT 2

US-09-702-705-913/C

Sequence 913, Application US/09702705

Patent No. 6504010

GENERAL INFORMATION:

APPLICANT: Wang, Tonglong

APPLICANT: Bangur, Chaitanya S.

APPLICANT: Lodes, Michael A.

APPLICANT: Fanger, Gary

APPLICANT: Vedrick, Tom

APPLICANT: Carter, Darrick

APPLICANT: Retter, Marc

APPLICANT: Mannion, Jane

APPLICANT: Fan, Lijun

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.478C14

CURRENT APPLICATION NUMBER: US/09/702,705

CURRENT FILING DATE: 2000-10-30

NUMBER OF SEQ ID NOS: 1833

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 913

LENGTH: 426

TYPE: DNA

ORGANISM: Homo sapien

US-09-702-705-913

Query Match	12.7%	Score 424.4;	DB 4;	Length 426;
Best Local Similarity	99.8%;	Pred. No. 2.6e-115;		
Matches 425;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;
QY	1541	CCAGATACCATTTGCTTTTGAGACCTCTGTTTGTGMACTGTGAGCTTACTTTCATG	1600	
Db	426	CCAGATACCATTTGCTTTTGAGACCTCTGTTTGTGMACTGTGAGCTTACTTTCATG	367	
QY	1601	TGGGTGGAATTTCAAGACCAACCTCTGTGAGACGTGGAAGGTTCCAAAGCAAC	1660	
Db	366	TGGGTGGAATTTCAAGACCAACCTCTGTGAGACGTGGAAGGTTCCAAAGCAAC	307	
QY	1661	AGTCCTATACCTACATCATTTAGAGAACTACCAAGAGCTTACTGAGCTCTCCAGA	1720	
Db	306	AGTCCTATACCTACATCATTTAGAGAACTACCAAGAGCTTACTGAGCTCTCCAGA	247	
QY	1721	GGACCACTTTTCAAGAGCAACAGAAAGTACACCATGACGTGGCCAAAGTCTACTCCA	1780	
Db	246	GGACCACTTTTCAAGAGCAACAGAAAGTACACCATGACGTGGCCAAAGTCTACTCCA	187	
QY	1781	TCAATGTACCAATGTTATGATGGCGTGGCTCTCTAATGCGCTCCGTGCTGCTAGAG	1840	
Db	186	TCAATGTACCAATGTTATGATGGCGTGGCTCTCTAATGCGCTCCGTGCTGCTAGAG	127	
QY	1841	CTCTGTATGTGGGCTCCTCTGCACTCTTGTCTGCTGTGTTACTATATTGACCGAGATT	1900	

QY	1541	CCGAGATCACATTGTCTTTGAGACCCCTCTGTCTGTGAACCTGTGAGCTTACTTATCATG	1600
Db	426	CCAGATCACATTTGTCTTTGAGACCCCTCTGTCTGTGAACCTGTGAGCTTACTTATCATG	367
QY	1601	TGGGTGAATTCCTAGGACCAACACTCCGTGGAGACGTGGAAAGTTCCAAAGCAAC	1660
Db	366	TGGGTGAATTCCTAGGACCAACACTCCGTGGAGACGTGGAAAGTTCCAAAGCAAC	307
QY	1661	AGTCTTATACCTACATCAATTGAGGAACACTACACAGAGCTTCACTGGGCTTCCAGA	1720
Db	306	AGTCTTATACCTACATCAATTGAGGAACACTACACAGAGCTTCACTGGGCTTCCAGA	247
QY	1721	GGACCACTTTTCATATGAGGCAAGACAGAAAGTACCAACATGACGTTGCCAAAGTCTACTCCA	1780
Db	246	GGACCACTTTTCATATGAGGCAAGACAGAAAGTACCAACATGACGTTGCCAAAGTCTACTCCA	187
QY	1781	TCAATGTACCAATGTATATGATGAGCGTAGGCTCTTACTGCGGTCCTGTGCGCTTAGAG	1840
Db	186	TCAATGTACCAATGTATATGATGAGCGTAGGCTCTTACTGCGGTCCTGTGCGCTTAGAG	127
QY	1841	CCTCTGATGTGGGCTTCCTCTGCACCTCTTGTCTCTGCTGCTTACTATATTTGACCGAGAT	1900
Db	126	CCTCTGATGTGGGCTTCCTCTGCACCTCTTGTCTCTGCTGCTTACTATATTTGACCGAGAT	67
QY	1901	CAGGAACCTGCCACTCTGCCCCCTTAAACAATCTGTAAAGCCACAGAGCTTATGAGTG	1960
Db	66	CAGGAACCTGCCACTCTGCCCCCTTAAACAATCTGTAAAGCCACAGAGCTTATGAGTG	7
QY	1961	TTCCAGG	1966

RESULT 5  
US-09-671-325-913/C  
; Sequence 913, Application US/09671325  
; Patent No. 6667154  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Tongtong

```

1  APPLICANT: Bangur, Chaitanya S.
2  APPLICANT: Lodges, Michael A.
3  APPLICANT: Fanger, Gary
4  APPLICANT: Vedvick, Tom
5  APPLICANT: Carter, Darrick
6  APPLICANT: Reltzer, Marc
7  APPLICANT: Mannion, Jane
8  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
9  TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
10 FILE REFERENCE: 210121.478C12
11 CURRENT APPLICATION NUMBER: US/09/671,325
12 CURRENT FILING DATE: 2000-09-26
13 NUMBER OF SEQ ID NOS: 1825
14 SOFTWARE: FastSeq for Windows Version 3.0
15 SEQ ID NO 913
16 LENGTH: 426
17 TYPE: DNA
18 ORGANISM: Homo sapien
19 US-09-671-325-913

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Query Match	12.7%	Score 424.4	DB 4	Length 426
Best Local Similarity	99.8%	Pred. No. 2.6e115		
Matches 425	Conservative 0	Mismatches 1	Indels 0	Gaps 0

Qy	1541	CCAGATCACTTTGTCTTTAGACCCCTGTGTGTAACTGTAGCTTAACTTCATGG	1600
Qy	1541 <td>CCAGATCACTTTGTCTTTAGACCCCTGTGTGTAACTGTAGCTTAACTTCATGG <td>1600</td> </td>	CCAGATCACTTTGTCTTTAGACCCCTGTGTGTAACTGTAGCTTAACTTCATGG <td>1600</td>	1600
Db	426	CCAGATCACTTTGTCTTTAGACCCCTGTGTGTAACTGTAGCTTAACTTCATGG	367
Qy	1601	TGGGTGTAAATTCTAGACCAAACTCCTGTGTGAGACGTGAGAAAGTCCAAAGCAAC	1666
Db	366	TGGGTGTAAATTCTAGACCAAACTCCTGTGTGAGACGTGAGAAAGTCCAAAGCAAC	307
Qy	1661	AGTCTTAATCTACTATCTATTGAGAGAAACATACTAGAGCTTCACTGGGCGTTCCAGA	1722
Db	306	AGTCTTAATCTACTATCTATTGAGAGAAACATACTAGAGAGCTTCACTGGGCGTTCCAGA	247

QY	1721	1722	1723	1724	1725	1726	1727	1728	1729	1730	1731	1732	1733	1734	1735	1736	1737	1738	1739	1740	1741	1742	1743	1744	1745	1746	1747	1748	1749	1750	1751	1752	1753	1754	1755	1756	1757	1758	1759	1760	1761	1762	1763	1764	1765	1766	1767	1768	1769	1770	1771	1772	1773	1774	1775	1776	1777	1778	1779	1780	1781	1782	1783	1784	1785	1786	1787	1788	1789	1790	1791	1792	1793	1794	1795	1796	1797	1798	1799	1800																																																																											
QY	1721	1722	1723	1724	1725	1726	1727	1728	1729	1730	1731	1732	1733	1734	1735	1736	1737	1738	1739	1740	1741	1742	1743	1744	1745	1746	1747	1748	1749	1750	1751	1752	1753	1754	1755	1756	1757	1758	1759	1760	1761	1762	1763	1764	1765	1766	1767	1768	1769	1770	1771	1772	1773	1774	1775	1776	1777	1778	1779	1780	1781	1782	1783	1784	1785	1786	1787	1788	1789	1790	1791	1792	1793	1794	1795	1796	1797	1798	1799	1800																																																																											
Db	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400
QY	1781	1782	1783	1784	1785	1786	1787	1788	1789	1790	1791	1792	1793	1794	1795	1796	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883																																																				

QY	1964	TCCAG	1966
Db	6	TCCAG	1

RESULT 6  
US-09-702-705-864  
Sequence 864, Application US/09702705  
Patent No. 6504010  
GENERAL INFORMATION:  
APPLICANT: Wang, Tonglong  
APPLICANT: Bangur, Chaitanya S.  
APPLICANT: Lodes, Michael A.  
APPLICANT: Fanger, Gary  
APPLICANT: Vedvick, Tom  
APPLICANT: Carter, Darrick  
APPLICANT: Retter, Marc  
APPLICANT: Mannion, Jane  
APPLICANT: Fan, Liqun  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

```

? TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
? FILE REFERENCE: 210121.478C14
? CURRENT APPLICATION NUMBER: US/9702,705
? CURRENT FILING DATE: 2000-10-30
? NUMBER OF SEQ ID NOS: 1833
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 664
? LENGTH: 265
? TYPE: DNA
? ORGANISM: Homo sapien
? US-09-702-705-864

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Query Match	7.9%	Score 263.4	DB 4	Length 265
Best Local Similarity	99.6%	Pred. No. 8,1e-68		
Matches 264	Conservative 0	Mismatches 1	Indels 0	Gaps 0

Qy	2402	CTGACCTTTCCACCTGGAGCTCTTGGGAATACCGAGACGATCTTTTATAGTCCA	2465
Db	1	CTGACCTTTCCACCTGGAGCTCTTGGGAATACCGAGACGATCTTTTATAGTCCA	60
Qy	2462	ATGATGTATACCCAGTCTCGACGTTCTGGAGATCAACCAACATCCGCGTCAAGTGAGTC	2522
Db	61	ATGATGTATACCCAGTCTCGACGTTCTGGAGATCAACCAACATCCGCGTCAAGTGAGTC	120
Qy	2522	CACAGAAAATCTGCTCCCTGAAAGTTTCTGCTGCGCAGAGAACTGCTTAGATGGAGACTGTG	2584
Db	121	CACAGAAAATCTGCTCCCTGAGAGTTTCTGCTGCGCAGAGAACTGCTTAGATGGAGACTGTG	180

[illegible]

QY	2642	CTGACTACCATGCTATCGTCACAG	2666
Db	241	CTGACTACCATGCTATCGTCACAG	265

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RESULT 7
; Sequence 864, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Bangur, Chaltanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darlick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 864
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-736-457-864

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Query Match	7.9%	Score 263.4;	DB 4;	Length 265;
Best Local Similarity	99.6%	Pred. No. 8.1e-68;		
Matches 264; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

Qy 2402 CTGAACCTTTCCACCTGGAGTCTTGGGAATACCGGAGCTGATCTCTTTATAGGTCCA 246

Db 1 CTGAACCTTTCCACCTGGAGTCTTGGGAATACCGGAGCTGATCTCTTTATAGGTCCA 60

QY 2462 ATGATGACCCAGTCTCTGAGATCAACACCATCGGCTGAGTGCAGTC 2521  
DB 61 ATGATGACCCAGTCTCTGAGATCAACACCATCGGCTGAGTGCAGTC 120  
QY 2522 CACGAAAACCTGCTCGGAGAGTTTCTGCTGCGCAAGAGCTGTCAGATGGACCTGTG 2581  
DB 121 CACGAAAACCTGCTCGGAGAGTTTCTGCTGCGCAAGAGCTGTCAGATGGAGCTGTG 180  
QY 2582 ATGAGCTGCACTTCTCTGCTGCGGAGAGCGGCTGCTGCGGCTGCTGCTGCTGCTG 2641  
DB 181 ATGAGCTGCACTTCTCTGCTGCGGAGAGCGGCTGCTGCGGCTGCTGCTGCTGCTG 240  
QY 2642 CTGACTACCATGCTATGCTGACGAG 2666  
DB 241 CTGACTACCATGCTATGCTGACGAG 265

## RESULT 8

US-09-614-124B-864  
Sequence 864, Application US/09614124B  
Patent No. 6630574  
GENERAL INFORMATION:

APPLICANT: Wang, Tonglong  
APPLICANT: Bangur, Chaitanya S.  
APPLICANT: Lodes, Michael A.  
APPLICANT: Fanger, Gary  
APPLICANT: Vedvick, Tom  
APPLICANT: Carter, Darick  
APPLICANT: Retter, Marc  
APPLICANT: Mannion, Jane  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER  
FILE REFERENCE: 210121.478C9  
CURRENT FILING DATE: 2001-07-11  
CURRENT FILING DATE: 2001-07-11  
NUMBER OF SEQ ID NOS: 1668  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 864  
LENGTH: 265  
TYPE: DNA  
ORGANISM: Homo sapien  
US-09-614-124B-864

Query Match 7.9%; Score 263.4; DB 4; Length 265;  
Best Local Similarity 99.6%; Pred. No. 8.1e-68;  
Matches 264; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2402 CTGAACTTTCCACCTGAGTCTTGGGAATACCGAGCTGATCTTTATAGTCCA 2461  
DB 1 CTGAACTTTCCACCTGAGTCTTGGGAATACCGAGCTGATCTTTATAGTCCA 60  
QY 2462 ATGATGACCCAGTCTCTGAGATCAACACCATCGGCTGAGTGCAGTC 2521  
DB 61 ATGATGACCCAGTCTCTGAGATCAACACCATCGGCTGAGTGCAGTC 120  
QY 2522 CACGAAAACCTGCTCGGAGAGTTTCTGCTGCGCAAGAGCTGTCAGATGGAGCTGTG 2581  
DB 121 CACGAAAACCTGCTCGGAGAGTTTCTGCTGCGCAAGAGCTGTCAGATGGAGCTGTG 180  
QY 2582 ATGAGCTGCACTTCTCTGCTGCGGAGAGCGGCTGCTGCGGCTGCTGCTGCTGCTG 2641  
DB 181 ATGAGCTGCACTTCTCTGCTGCGGAGAGCGGCTGCTGCGGCTGCTGCTGCTGCTG 240  
QY 2642 CTGACTACCATGCTATGCTGACGAG 2666  
DB 241 CTGACTACCATGCTATGCTGACGAG 265

RESULT 9  
US-09-671-325-864  
Sequence 864, Application US/09671325  
Patent No. 6667154  
GENERAL INFORMATION:

APPLICANT: Wang, Tonglong  
APPLICANT: Bangur, Chaitanya S.  
APPLICANT: Lodes, Michael A.  
APPLICANT: Fanger, Gary  
APPLICANT: Vedvick, Tom  
APPLICANT: Carter, Darick  
APPLICANT: Retter, Marc  
APPLICANT: Mannion, Jane  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER  
FILE REFERENCE: 210121.478C12  
CURRENT FILING DATE: 2000-09-26  
CURRENT FILING DATE: 2000-09-26  
NUMBER OF SEQ ID NOS: 1825  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 864  
LENGTH: 265  
TYPE: DNA  
ORGANISM: Homo sapien  
US-09-671-325-864

Query Match 7.9%; Score 263.4; DB 4; Length 265;  
Best Local Similarity 99.6%; Pred. No. 8.1e-68;  
Matches 264; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2402 CTGAACTTTCCACCTGAGTCTTGGGAATACCGAGCTGATCTTTATAGTCCA 2461  
DB 1 CTGAACTTTCCACCTGAGTCTTGGGAATACCGAGCTGATCTTTATAGTCCA 60  
QY 2462 ATGATGACCCAGTCTCTGAGATCAACACCATCGGCTGAGTGCAGTC 2521  
DB 61 ATGATGACCCAGTCTCTGAGATCAACACCATCGGCTGAGTGCAGTC 120  
QY 2522 CACGAAAACCTGCTCGGAGAGTTTCTGCTGCGCAAGAGCTGTCAGATGGAGCTGTG 2581  
DB 121 CACGAAAACCTGCTCGGAGAGTTTCTGCTGCGCAAGAGCTGTCAGATGGAGCTGTG 180  
QY 2582 ATGAGCTGCACTTCTCTGCTGCGGAGAGCGGCTGCTGCGGCTGCTGCTGCTGCTG 2641  
DB 181 ATGAGCTGCACTTCTCTGCTGCGGAGAGCGGCTGCTGCGGCTGCTGCTGCTGCTG 240  
QY 2642 CTGACTACCATGCTATGCTGACGAG 2666  
DB 241 CTGACTACCATGCTATGCTGACGAG 265

RESULT 10  
US-09-222-575-45/C  
Sequence 45, Application US/09222575  
Patent No. 6387697  
GENERAL INFORMATION:  
APPLICANT: Yugiu, Jiang  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Xu, Jianshun  
TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer  
TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer  
FILE REFERENCE: 210121.470  
CURRENT FILING DATE: 1998-12-28  
CURRENT FILING DATE: 1998-12-28  
NUMBER OF SEQ ID NOS: 174  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 45  
LENGTH: 231  
TYPE: DNA  
ORGANISM: Human  
US-09-222-575-45

Query Match 5.7%; Score 189.6; DB 4; Length 231;  
Best Local Similarity 97.1%; Pred. No. 5e-46;  
Matches 204; Conservative 0; Mismatches 4; Indels 2; Gaps 1;

QY	2194	TTGGACACCAACAAGTCTACGACCTCCGGAAATCCTGAGGGTGTACAGGTT -- CTCGA	2251
Db	231	GTGTCACCGACATATGTACCCGACCTCCGGATTCCTGAGGGTGTACAGGTTTCTCCCA	172
QY	2252	AATCTATCACAGCCTACGCTCTGCCAGGACAGTCATCATCCCCCAGAGGTGAACAGCTACA	2311
Db	171	AATCTATCACAGCCTACGCTCTGCCAGGACAGTCATCATCCCCCAGAGGTGACAGGCTACA	112
QY	2312	AGGCCGGGGGTTTCCCTCACAGCCTGTGCACCTTGTGATGCAGCTTAATTGGGGTGAACAACAG	2371
Db	111	AGGCCGGGGGTTTCCCTCACAGCCTGTGCACCTTGTGATGCAGCTTAATTGGGGTGAACAACAG	52
QY	2372	ATTATGACTCTGATGGAATCACTTCCCCAG	2401
Db	51	ATTATGACTCTGATGGAATCACTTCCCCAG	22

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RESULT 11
US-09-389-681-45/c
; Sequence 45, Application US/09389661A
; Patent No. 6518237
; GENERAL INFORMATION:
; APPLICANT: Yuqi, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C3
; CURRENT APPLICATION NUMBER: US/09/389,681A
; CURRENT FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 45
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-389-681-45

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Query Match	5.7%	Score 189.6	DB 4	Length 231
Best Local Similarity	97.1%	Pred. No. 5e-46	4	Indels 2
Matches 204	Conservative	0	Mismatches	1
QY	2194	GTGTGCACCGCAATGTCACCTGACCTCCGGATTCTCTGAAGGTGAATCAGGGTT--CTCCA	2251	
Db	231	GTGTGCACCGCAATGTCACCGACCTCCGGATTCTCTGAAGGTGAGTCAAGTTTCTCCCA	172	
QY	2252	AATCATACAGCCCTACGCTGTGCCAGGAGATCATATCCCCCAAGGTGACAGGCTCA	2311	
Db	171	AATCATACAGCCCTACGCTGTGCCAGGAGATCATATCCCCCAAGGTGACAGGCTCA	112	
QY	2312	AGGCCGGGGTTTCTCACAGGCTGTGACCTTTGATGACCTTATTGGGGGTGACACAG	2371	
Db	111	AGGCCGGGGTTTCTCACAGGCTGTGACCTTTGATGACCTTATTGGGGGTGACACAG	52	
QY	2372	ATATGACTCTGGATGGATCAACTCTCCAG	2401	
Db	51	ATATGACTCTGGATGGATCAACTCTCCAG	22	

```

RESULT 12
US-09-620-405B-45/C
; Sequence 45, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jianshun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER

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: FILE REFERENCE: 210121.470C8
: CURRENT APPLICATION NUMBER: US/09/620,405B
: CURRENT FILING DATE: 2000-07-20
: NUMBER OF SEQ ID NOS: 495
: SOFTWARE: fastseq for Windows Version 3.0
: SEQ ID NO 45
: LENGTH: 231
: TYPE: DNA
: ORGANISM: Homo sapien
US-09-620-405B-45

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	Query Match	Best Local Similarity	5.7%;	Score 189.6;	DB 4;	Length 231;
	Matches	204;	Conservative	0;	Mismatches	4;
					Indels	2;
					Gaps	1;
Qy	2194	GTGTGCACCGCAATATGCTACTGACCTCCGGATTCTCTGAGGTGAGTCAAGGTT--CTCC	2251			
Db	231	GTGTGCACCGCAATATGCTACTGACCTCCGGATTCTCTGAGGTGAGTCAAGGTTCTCC	172			
Qy	2252	AATTTATCACAGCCTATGCTGCGCAGGCAATCATCTCCGCCAGAGTGCACAGGTTACA	2311			
Db	171	AATTTATCACAGCCTATGCTGCGCAGGCAATCATCTCCGCCAGAGTGCACAGGTTACA	112			
Qy	2312	AGCGCGGGGTTTCTCTCACAGCCTCTCAGCCTTGTCTATCGACTTATTGGGGTGACACAG	2371			
Db	111	AGCGCGGGGTTTCTCTCACAGCCTCTCAGCCTTGTCTATCGACTTATTGGGGTGACACAG	52			
Qy	2372	ATATGACTCTGGATGAGTAATCACTCCGCCAG	2401			
Db	51	ATATGACTCTGGATGAGTAATCACTCCGCCAG	22			

RESULT 13  
 US-09-339-338-45/c  
 : Sequence 45, Application US/09339338A  
 : Patent No. 657368  
 : GENERAL INFORMATION:  
 : APPLICANT: Yugui, Jiang  
 : APPLICANT: Dillon, Davin C.  
 : APPLICANT: Mitcham, Jennifer L.  
 : APPLICANT: Xu, Jiangchun  
 : TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND  
 : TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE  
 : FILE REFERENCE: 210121.470C2  
 : CURRENT APPLICATION NUMBER: US/09/339.338A  
 : CURRENT FILING DATE: 1999-06-23  
 : NUMBER OF SEQ ID NOS: 315  
 : SOFTWARE: FastSeq for Windows Version 3.0  
 : SEQ ID NO 45  
 : LENGTH: 231  
 : TYPE: DNA  
 : ORGANISM: Homo sapien  
 : US-09-339-338-45

Query Match	Best Local Similarity	5.7%;	Score 189.6;	DB 4;	Length 231;
Matches	204;	Conservative	0;	Mismatches	4;
				Indels	2;
				Gaps	1;
QY	2194	GTGTGCACCGCAATATGTCACCTGACCTTCGCGATTCTCTGAGGGTGATCAGGGTT--CTTCA	2251		
Db	231	GTGTGCACCGCAATATGTCACCGCACTTCGCGATTCTCTGAGGGTGATCAGGGTTCTTCCCA	172		
QY	2252	AATTTATCACAGCCTTAAGTGTGCGCAGGACGATCATATCCCCCAGAGGTGACAGGCTACA	2311		
Db	171	AATTTATCACAGCCTTAAGTGTGCGCAGGACGATCATATCCCCCAGAGGTGACAGGCTACA	112		
QY	2312	AGGCGGGGGTTTCTCTCAAGCTGTGACGCTTGCTGATTCGACTTATTTGGGGGTGACAAACAG	2371		
Db	111	AGGCGGGGGTTTCTCTCAAGCTGTGACGCTTGCTGATTCGACTTATTTGGGGGTGACAAACAG	52		
QY	2372	ATATGACTCTGGATGATGAAATCAACCTCCCGCAG	2401		
Db	51	ATATGACTCTGGATGATGAAATCAACCTCCCGCAG	22		

RESULT 14  
 US-09-433-826B-45/C  
 ; Sequence 45, Application US/09433826B  
 ; Patent No. 6579973  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jiang, Yuqi  
 ; APPLICANT: Dillon, Devin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Harlocker, Susan L.  
 ; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND  
 ; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE  
 ; FILE REFERENCE: 210121.470C4  
 ; CURRENT APPLICATION NUMBER: US/09/433,826B  
 ; CURRENT FILING DATE: 1999-11-03  
 ; NUMBER OF SEQ ID NOS: 474  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 45  
 ; LENGTH: 231  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 ; US-09-433-826B-45

Query Match	5.7%	Score 189.6;	DB 4;	Length 231;
Best Local Similarity	97.1%;	Pred. No. 5e-46;		
Matches 204;	Conservative	0;	Mismatches 4;	Indels 2;
				Gaps 1;

Qy	2194	GTGTGACACCAACAATGATCACTGACCTCCGGAAATCCTGAGGGTGTGACAGGTT--CTTCA	2251
Db	231	GTGTGACACCAACAATGTACACCGACCTCCGGAAATCCTGAGGGTGTGACAGGTTTCTCCCA	172
Qy	2252	AATCTATCACAGCCTTACGTTCTGCCAGGACGTCATCATCCCCCAGAGGTGACAGGCTACA	2311
Db	171	AATCTATCACAGCCTTACGTTCTGCCAGGACGTCATCATCCCCCAGAGGTGACAGGCTACA	112
Qy	2312	AGGCGGGGGGTTTCCCTCACAGGCTGTGCACGCTTGTGATTCGACTTATTGGGGTGACAAACG	2371
Db	111	AGGCGGGGGGTTTCCCTCACAGGCTGTGCACGCTTGTGATTCGACTTATTGGGGTGACAAACG	52
Qy	2372	ATATGACTCTGATGATGAAATCAAGCTCCGAG	2401
Db	51	ATATGACTCTGATGATGAAATCAAGCTCCGAG	22

```

RESULT 15
US-09-604-287A-45/C
: Sequence 45, Application US/09604287A
: Patent No. 6586572
: GENERAL INFORMATION:
: APPLICANT: Jiang, Yugin
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Xu, Jiangchun
: APPLICANT: Harlocker, Susan L.
: APPLICANT: Hepler, William T.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF BEAST CANCER
: FILE REFERENCE: 210121.470C7
: CURRENT APPLICATION NUMBER: US/09/604,287A
: CURRENT FILING DATE: 2000-06-22
: NUMBER OF SEQ ID NOS: 489
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 45
: LENGTH: 231
: TYPE: DNA
: ORGANISM: Homo sapien
US-09-604-287A-45

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Query Match	5.7%	Score 189.6;	DB 4;	Length 231;
Best Local Similarity	97.1%	Pred. No. 5e-46;		
Matches 204; Conservative	0;	Mismatches 4;	Indels 2;	Gaps 1;

Qy	2194	GTGTGACACCGACATGTGATCTGACACTCCGGATTCTTAGGGTGTAGAGGTT--CTTCA	2251
Db	231	GTGTGACACCGACATGTGATCTGACACTCCGGATTCTTAGGGTGTAGAGGTTCTTCCCA	172
Qy	2252	AATCTTATCAACGCTACGCTGTGCGACGAGTCATATCTCCCCAGAGGTGACAGGCTACA	2311
Db	171	AATCTTATCAACGCTACGCTGTGCGACGAGTCATATCTCCCCAGAGGTGACAGGCTACA	112
Qy	2312	AGGCGGGGGTTTCTCTACAGCCGTGACGCTGTGTATGCACTTATGGGGGTGACATCAG	2372
Db	111	AGGCGGGGGTTTCTCTCTACAGCCGTGACGCTGTGTATGCACTTATGGGGGTGACATCAG	52
Qy	2372	ATATGACTCTGATGATGATCACTCTCCACAG	2401
Db	51	ATATGACTCTGATGATGATCACTCTCCACAG	22

Search completed: June 19, 2004, 01:04:45  
Job time : 224 secs

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Db	2161	AGTCTCTGTGAAACACGAGGTAGGAAATGTCGTGTGTGACACCGACAATAGTCAGTCACTC	2220
Qy	2221	CGGATTCCTGAGGGGTGAGTCAAGGGTCTTCCAAATCTATCAAGCTTAGTGTGCAAGCA	2280
Db	2221	CGGATTCCTGAGGGGTGAGTCAAGGGTCTTCCAAATCTATCAAGCTTAGTGTGCAAGCA	2280
Qy	2281	GTCATCATCCCCCAGAGGTGACAGAGGTACAAAGGCCGGGGTTTCTCCACACTGTAGC	2340
Db	2281	GTCATCATCCCCCAGAGGTGACAGAGGTACAAAGGCCGGGGTTTCTCCACACTGTAGC	2340
Qy	2341	CTTGCTGATGCATTATTGGGGTGCAACAAGATATGACTCTTGATGGAATCACTTCCCA	2400
Db	2341	CTTGCTGATGCATTATTGGGGTGCAACAAGATATGACTCTTGATGGAATCACTTCCCA	2400
Qy	2401	GCTGACATTTTCCACCTGGAGTCCCTGGGAATACCGACGATCTTCTTTTAGGGTCC	2460
Db	2401	GCTGACATTTTCCACCTGGAGTCCCTGGGAATACCGACGATCTTCTTTTAGGGTCC	2460
Qy	2461	AATGATGTGACCCAGTCTCTGCAATTCTGGAGATTCACACCATTCGGGTGAGTGCAGT	2520
Db	2461	AATGATGTGACCCAGTCTCTGCAATTCTGGAGATTCACACCATTCGGGTGAGTGCAGT	2520
Qy	2521	CCACAGAAATCTGTCCCTGGAAAGTTTGCTGTCCAGGAAGCTGTCAAGATGGGACTGT	2580
Db	2521	CCACAGAAATCTGTCCCTGGAAAGTTTGCTGTCCAGGAAGCTGTCAAGATGGGACTGT	2580
Qy	2581	GATGGCTGCACTTCCACTTCTGTTGGGAGAGCGGCTGTCCGCTCTGTCTCAGTG	2640
Db	2581	GATGGCTGCACTTCCACTTCTGTTGGGAGAGCGGCTGTCCGCTCTGTCTCAGTG	2640
Qy	2641	GCTGACTACCATGCTATGTGTAGCAGCTGTGTGGCTGGATTCAGAAACTACTTAAGTG	2700
Db	2641	GCTGACTACCATGCTATGTGTAGCAGCTGTGTGGCTGGATTCAGAAACTACTTAAGTG	2700
Qy	2701	TGGGAGAAACCCAAAGCTATGCTCTGTTGGTGGCATTTCTGCTGTGACAGAGAGTCAATC	2760
Db	2701	TGGGAGAAACCCAAAGCTATGCTCTGTTGGTGGCATTTCTGCTGTGACAGAGAGTCAATC	2760
Qy	2761	TGCAAAACCATAGATTTTCTGGCTGTAAGTGGGCACTCTGCAAGGCACTGTACTGCCATC	2820
Db	2761	TGCAAAACCATAGATTTTCTGGCTGTAAGTGGGCACTCTGCAAGGCACTGTACTGCCATC	2820
Qy	2821	CTGCTCAACCGTCTTGACCTGTGTACTTTTGGAAAAAGATCAAAAACTTGAATCAAGTAC	2880
Db	2821	CTGCTCAACCGTCTTGACCTGTGTACTTTTGGAAAAAGATCAAAAACTTGAATCAAGTAC	2880
Qy	2881	TCCAAGCTGTGATGATATGTACTCTCAAGACCTGTGACTGCGCAGCAGCTGACAGCTGC	2940
Db	2881	TCCAAGCTGTGATGATATGTACTCTCAAGACCTGTGACTGCGCAGCAGCTGACAGCTGC	2940
Qy	2941	GCCATCATGGAAGGAGAGATGTAGAGGACCACTCATCTTTACAGAGAAATCAACTCT	3000
Db	2941	GCCATCATGGAAGGAGAGATGTAGAGGACCACTCATCTTTACAGAGAAATCAACTCT	3000
Qy	3001	TTGGGAATCAAAATCATTTTACCTTCCAGAGAGACTCTCTGATGATTTTACTCAAGTCCGC	3060
Db	3001	TTGGGAATCAAAATCATTTTACCTTCCAGAGAGACTCTCTGATGATTTTACTCAAGTCCGC	3060
Qy	3061	TGAAGACATCTCTCAGAGGCCCAGACATGACCTGTGAGAGGCACTGCTGCTCACTGC	3120
Db	3061	TGAAGACATCTCTCAGAGGCCCAGACATGACCTGTGAGAGGCACTGCTGCTCACTGC	3120
Qy	3121	CCTCTCACTTGCATPACACCTTTTGGACGCTGGGGATTTGGGTGCCAGATCTCTGC	3180
Db	3121	CCTCTCACTTGCATPACACCTTTTGGACGCTGGGGATTTGGGTGCCAGATCTCTGC	3180
Qy	3181	AACACCCACTCTGGAATCTCTTCAATGTGGCCTTATCAGATGTTGAAATTTAGATCT	3240
Db	3181	AACACCCACTCTGGAATCTCTTCAATGTGGCCTTATCAGATGTTGAAATTTAGATCT	3240
Qy	3241	TTTTTTATAGAGTACCCAAACCTTCTTTCGCTTGTCTCAAACTGTGCMAATATACCA	3300
Db	3241	TTTTTTATAGAGTACCCAAACCTTCTTTCGCTTGTCTCAAACTGTGCMAATATACCA	3300

[illegible]

Db	610	AACCTGAAGCAATCTGGACCGTTAACTTCGAAATACATATCCAGATCCAGCATATC	669
Qy	661	TTTGAGTTTTCGTTGAGATGACAGAGGCGCCCAATGAGATGATCAGGATGATG	720
Db	670	TTTGAGTTTTCGTTGAGATGACAGAGGCGCCCAATGAGATGATCAGGATGATG	729
Qy	721	AAGACCAAGAAAGATGAGAAATTCACAGTGTGAGCTAAATCCAGCAATATATC	780
Db	730	AAGACCAAGAAAGATGAGAAATTCACAGTGTGAGCTAAATCCAGCAATATATC	789
Qy	781	CTCATTTGGAACCAAGAGCTTCCTCAGATATGACCAAGATCCAGAGCTGTGATG	840
Db	790	CTCATTTGGAACCAAGAGCTTCCTCAGATATGACCAAGATCCAGAGCTGTGATG	849
Qy	841	AGAAACATTTGCAATACAGAGGATGAGCTTACAGATGCTTCCCTGCAACCTGAG	900
Db	850	AGAAACATTTGCAATACAGAGGATGAGCTTACAGATGCTTCCCTGCAACCTGAG	909
Qy	901	ACGATGAGACAGAGGCTCTCTTTTGCAAACTTTGCCAGGCAATCTTATTC	960
Db	910	ACGATGAGACAGAGGCTCTCTTTTGCAAACTTTGCCAGGCAATCTTATTC	969
Qy	961	AATAAGAGAACTTCTTGCCAGAGTGTGACCTGCAAAATCTGAGAAAGATCT	1020
Db	970	AATAAGAGAACTTCTTGCCAGAGTGTGACCTGCAAAATCTGAGAAAGATCT	1029
Qy	1021	TCTTCTGTAAAGTGTGAGCTTGTGACAGACAAAGATTTTCTTACACACAGGCT	1080
Db	1030	TCTTCTGTAAAGTGTGAGCTTGTGACAGACAAAGATTTTCTTACACACAGGCT	1089
Qy	1081	TGCAATGCAACGAGAGACAACTCATGTACAAATGAGGCAAGCCGAAATCTGTAG	1140
Db	1090	TGCAATGCAACGAGAGACAACTCATGTACAAATGAGGCAAGCCGAAATCTGTAG	1149
Qy	1141	GAGGACCTTGAAGGGGAGTGAAGCTGCTGCTGTGTGAAAGCCCACTGCCACC	1200
Db	1150	GAGGACCTTGAAGGGGAGTGAAGCTGCTGCTGTGTGAAAGCCCACTGCCACC	1209
Qy	1201	TGCAACCCAGGCTTCTTAAACCAACAGACAGCTGCCAGCCCTGCCATATGTGTC	1260
Db	1210	TGCAACCCAGGCTTCTTAAACCAACAGACAGCTGCCAGCCCTGCCATATGTGTC	1269
Qy	1261	TACTCCATGAGCTCAGACTGTACCGCTGCCCTGAGAGGACTGAACCTGTGTGAT	1320
Db	1270	TACTCCATGAGCTCAGACTGTACCGCTGCCCTGAGAGGACTGAACCTGTGTGAT	1329
Qy	1321	GATTCAAATGTGGAACAGCTGCCCAAAATGGAAGACCCGTTCTCAGTGGATC	1380
Db	1330	GATTCAAATGTGGAACAGCTGCCCAAAATGGAAGACCCGTTCTCAGTGGATC	1389
Qy	1381	AACCTCGAGTCAAGGCGATGACAGGCTGGAGGTGCTGTGATCAATTTACACAG	1440
Db	1390	AACCTCGAGTCAAGGCGATGACAGGCTGGAGGTGCTGTGATCAATTTACACAG	1449
Qy	1441	GCTGAGCTTCAAGATGATCTTCACTCTGTGTGCGAGATTTAGACCT	1500
Db	1450	GCTGAGCTTCAAGATGATCTTCACTCTGTGTGCGAGATTTAGACCT	1509
Qy	1501	CCGAGTGGTGAAGGAGACAGAGAAATAAGAGGTGGCCAGATCACTTGTCTT	1560
Db	1510	CCGAGTGGTGAAGGAGACAGAGAAATAAGAGGTGGCCAGATCACTTGTCTT	1569
Qy	1561	GAGACCTCTGTGTGAACTGTGAGCTTCACTCATGTGTGTGAATTTAGACCT	1620
Db	1570	GAGACCTCTGTGTGAACTGTGAGCTTCACTCATGTGTGTGAATTTAGACCT	1629
Qy	1621	AACATCTCTGTGAGAGCTGTGAAGGTTCAAAGGCAACAGTCTTACTATCAT	1680
Db	1630	AACATCTCTGTGAGAGCTGTGAAGGTTCAAAGGCAACAGTCTTACTATCAT	1689
Qy	1681	GAGGAGAACATACAGAGCTTCACTGTGGCTTCCAGAGACCACTTTTATGAGCA	1740
Db	1690	GAGGAGAACATACAGAGCTTCACTGTGGCTTCCAGAGACCACTTTTATGAGCA	1749

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Qy	1741	AGCAGGAAGTACCAATGACGTTGCCAAGATCTATCTCATCATGTACCAATGTATG	1800
Db	1750	AGCAGGAAGTACCAATGACGTTGCCAAGATCTATCTCATCATGTACCAATGTATG	1809
Qy	1801	AATGGGTGCTCTCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	1860
Db	1810	AATGGGTGCTCTCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	1869
Qy	1861	TGACCTCTTGTCTGTGTGATATGATGATGATGATGATGATGATGATGATGATG	1920
Db	1870	TGACCTCTTGTCTGTGTGATATGATGATGATGATGATGATGATGATGATGATG	1929
Qy	1921	CCCCCTTACCAATTTGAAACCCACAGCTTATGTGTGCTGAGGCTGTGTGCTGT	1980
Db	1930	CCCCCTTACCAATTTGAAACCCACAGCTTATGTGTGCTGAGGCTGTGTGCTGT	1989
Qy	1981	GCTCAGAGCAAGAACCAAGATGACCTGTGTGTGCTGATGATGATGATGATGATG	2040
Db	1990	GCTCAGAGCAAGAACCAAGATGACCTGTGTGTGCTGATGATGATGATGATGATG	2049
Qy	2041	CGCAACTTCCACCAAGGCTTCACTTCACTTCTGCTGCTGCTGCTGCTGCTGCT	2100
Db	2050	CGCAACTTCCACCAAGGCTTCACTTCACTTCTGCTGCTGCTGCTGCTGCTGCT	2109
Qy	2101	CTTGTGAGAGGCAAGCTTCACTTCAAGGCTTGAATATGCTCATCATCTTACCTG	2160
Db	2110	CTTGTGAGAGGCAAGCTTCACTTCAAGGCTTGAATATGCTCATCATCTTACCTG	2169
Qy	2161	AGTCTCTGTGAACCAAGGCTGAGAAATGTGTGTGACCCGACATGTGACCTG	2220
Db	2170	AGTCTCTGTGAACCAAGGCTGAGAAATGTGTGTGACCCGACATGTGACCTG	2229
Qy	2221	CGATTCCTGAGAGTGTGAGGCTTCCCAATATATCAAGGCTGAGGCTGAGGCA	2280
Db	2230	CGATTCCTGAGAGTGTGAGGCTTCCCAATATATCAAGGCTGAGGCTGAGGCA	2289
Qy	2281	GTCATCATCCCCCAGAGGTGACAGGCTTCAAGGCTGAGGCTTCTCAAGCTGTAG	2340
Db	2290	GTCATCATCCCCCAGAGGTGACAGGCTTCAAGGCTGAGGCTTCTCAAGCTGTAG	2349
Qy	2341	CTTGTGTATGACCTTATGAGGTGACACAGATATGATCTGTGATGATATCCTCCCA	2400
Db	2350	CTTGTGTATGACCTTATGAGGTGACACAGATATGATCTGTGATGATATCCTCCCA	2409
Qy	2401	GCTGAACCTTTTCACTGTGAGTCTTGTGGAATACCGAGCTGATCTTTTATAGTCT	2460
Db	2410	GCTGAACCTTTTCACTGTGAGTCTTGTGGAATACCGAGCTGATCTTTTATAGTCT	2469
Qy	2461	AATGATGACCCAGCTCTGCACTTGTGAGATTAACCAATCCAGTCCGCTGACCT	2520
Db	2470	AATGATGACCCAGCTCTGCACTTGTGAGATTAACCAATCCAGTCCGCTGACCT	2529
Qy	2521	CCAGAGAAACGTGCTGGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	2580
Db	2530	CCAGAGAAACGTGCTGGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	2589
Qy	2581	GATGCTGCACTTCTGCTGTGAGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCT	2640
Db	2590	GATGCTGCACTTCTGCTGTGAGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCT	2649
Qy	2641	GCTGATACCAATGCTATGCTGAGAGCTGTGTGCTGCTGCTGCTGCTGCTGCT	2700
Db	2650	GCTGATACCAATGCTATGCTGAGAGCTGTGTGCTGCTGCTGCTGCTGCTGCT	2709
Qy	2701	TGCGAGAACCCAGAGTATGCTGTGAGGATTTCTGCTGCTGAGACAGATCACTC	2760
Db	2710	TGCGAGAACCCAGAGTATGCTGTGAGGATTTCTGCTGCTGAGACAGATCACTC	2769
Qy	2761	TGCAAAACATATGATTTGTGCTGAAAGTGGGATCTGTGACGACCACTGTATCCT	2820
Db	2770	TGCAAAACATATGATTTGTGCTGAAAGTGGGATCTGTGACGACCACTGTATCCT	2829



Db 1093 AGAATGATTCCTTCAACAGAGGAGGCTCTTCTTCTGCAAACTTTGCGCAAGCACTTTATTC 1152  
Qy 901 ACGATGACAGCAAGCAGAGGCTCTTCTTCTGCAAACTTTGCGCAAGCACTTTATTC 960  
Db 1153 ACGATGACAGCAAGCAGAGGCTCTTCTTCTGCAAACTTTGCGCAAGCACTTTATTC 1212  
Qy 961 AATAAGAGAGAACTTCTTGCACCAAGTGAACCTTGCAAAATCTGAGAGAAAGATCT 1020  
Db 1213 AATAAGAGAGAACTTCTTGCACCAAGTGAACCTTGCAAAATCTGAGAGAAAGATCT 1272  
Qy 1021 TCTTCTGTAAAGTGGCGGAGCTTGACAGACAAAGATTTTCTACACACAGCGCC 1080  
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Qy 1141 GAGAGCTTTGAGGGGAGAGTGAAGTGGCTCTCTGATGTGAAGACCACTGCGCACCC 1200  
Db 1393 GAGAGCTTTGAGGGGAGAGTGAAGTGGCTCTCTGATGTGAAGACCACTGCGCACCC 1452  
Qy 1201 TGCACCCAGAGCTTTCTCAAAACCAACACAGACCTGCGCACCCCTGCTATNGTTCC 1260  
Db 1453 TGCACCCAGAGCTTTCTCAAAACCAACACAGACCTGCGCACCCCTGCTATNGTTCC 1512  
Qy 1261 TACTGCAATGGCTGACCTGTACACCGCTGCGCTGAGAGGACTGAACCTGCTGAGATT 1320  
Db 1513 TACTGCAATGGCTGACCTGTACACCGCTGCGCTGAGAGGACTGAACCTGCTGAGATT 1572  
Qy 1321 GAATCAATGCTGAGAACAGCTGCGCAACAACTGAGAACGACCGTTCTCACTGGAGTC 1380  
Db 1573 GAATCAATGCTGAGAACAGCTGCGCAACAACTGAGAACGACCGTTCTCACTGGAGTC 1632  
Qy 1381 AACTTGGAGTCAAGGGATGACAGGGTGGAGGGTGGTGTGATTCATTTACAGACT 1440  
Db 1633 AACTTGGAGTCAAGGGATGACAGGGTGGAGGGTGGTGTGATTCATTTACAGACT 1692  
Qy 1441 GCTGAGGCTCAGACATGACTTCAATCTCACTCTGATGTGCGCAGATTTAGACT 1500  
Db 1693 GCTGAGGCTCAGACATGACTTCAATCTCACTCTGATGTGCGCAGATTTAGACT 1752  
Qy 1501 CCGCAGTGGTATGTCAGACACAGAGAAATAAGGTGGCCAAATTCATTTGCTTT 1560  
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Qy 1621 AACTCTCTGTGAGACCTGGAAGGTTCCAAAGGCAACGCTCTATTAATCAATCAAT 1680  
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Qy 1741 AGCAGAGATACCAATGACCTTCCAAAGATCTACATCAATGTCACCAATGTTATG 1800  
Db 1993 AGCAGAGATACCAATGACCTTCCAAAGATCTACATCAATGTCACCAATGTTATG 2052  
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Qy 1861 TGCACCTCTGTCTGTGCTGTACTATATTGACCGAGATTGAGAACCTGCACTCTGC 1920  
Db 2113 TGCACCTCTGTCTGTGCTGTACTATATTGACCGAGATTGAGAACCTGCACTCTGC 2172  
Qy 1921 CCCCCTAACCAATTTGAGAGCCCAAGCTTATGATGTGCAAGGCTGTGTGCTGT 1980

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Db 2233 GGTTCAGGGAGCAAGAACAAAGATTCACCTGTGTGATCAATGATTCACCTTCA 2292  
Qy 2041 CCGAATCTCCACAGAGACTTTTCAACTGATCAAACTTCTCCGCTTGGCAACCGTCACT 2100  
Db 2293 CCGAATCTCCACAGAGACTTTTCAACTGATCAAACTTCTCCGCTTGGCAACCGTCACT 2352  
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Qy 2221 CCGATTCCTGAGAGGTGATCAGGCTTCTCAAAATCTATCAAGCTTATGCTGCGCAGCA 2280  
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Db 2533 GTCATATCCCGCAGAGGTGACAGGCTTCAAGGCGGGGTTTCTCAAGCTGTCAAGC 2592  
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Db 2593 CTGTGATGACCTTATTTGGGCTGACACAGATGATGATCTGTGATGAAATCACTTCCCA 2652  
Qy 2401 GCTGACCTTTCCACCTGGAGTCTTGGGAAATCCGAGCTGATCTTCTTTATAGTCC 2460  
Db 2653 GCTGACCTTTCCACCTGGAGTCTTGGGAAATCCGAGCTGATCTTCTTTATAGTCC 2712  
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Db 2713 AATGATGATCCAGAGTCTGACATTTCTGGAGATCAACCAATCCGCTGAGTGCAGT 2772  
Qy 2521 CCAAGAAATCTGCTGCTGAGATTTGCTGCTGCGCAGAGAGCTGCTGATGAGAGCTGT 2580  
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Qy 2581 GATGCTGCACTTCCATCTGCTGAGAGAGCGGCTGCTTTCGCTGCTGCTGCTGCTG 2640  
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Qy 2641 GCTGATCACTGATGCTGCTGACAGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTG 2700  
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Qy 2701 TGGCGAGAACCCAGGCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2760  
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Qy 2761 TGCAGAACCATGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2820  
Db 3013 TGCAGAACCATGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3072  
Qy 2821 CTGCTCAAGCTCTTGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2880  
Db 3073 CTGCTCAAGCTCTTGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3132  
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Db 3133 TCCAGCTGATGATGATCTACTCTCAAGAGCTGTGACCTGCGCAGAGCTGACAGCTGC 3192  
Qy 2941 GGCATCATGAGAGGAGATGATGAGAGCGACCTCATCTTTTACAGAGAGAGTCACTC 2999  
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Qy 3000 TTGGGAGAGTCAAAATCATTTACCTTCAAGAGAGACTCTGATGATTTGATCACTGCTGC 3059  
Db 3253 TTGGGAGAGTCAAAATCATTTACCTTCAAGAGAGACTCTGATGATTTGATCACTGCTGC 3312





Db 1276 TGCACCCAGGCTTTCTTAAAACAACACAGACCTGCGACCCCTGCCCATATGTTCC 1335  
Qy 1261 TACTCCATGCTGACCTGTACCCGCTGCCCTGAGGAGCTGAACCTGCTGGGATTT 1320  
Db 1336 TACTCCATGCTGACCTGTACCCGCTGCCCTGAGGAGCTGAACCTGCTGGGATTT 1395  
Qy 1321 GAATCAAAATGCTGAAACAGCTGCCCAAAACATGAAACGACCGTTCTGATGGATC 1380  
Db 1396 GAATCAAAATGCTGAAACAGCTGCCCAAAACATGAAACGACCGTTCTGATGGATC 1455  
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Qy 1441 GCTGAGCTCAGACATGACTTCACTGATTTCTCACTGTTGTGCCAGATTTAGACT 1500  
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Qy 1921 CCCCCTAACACATTTCTGAAAGCCCAACGACTTATGTTGTCAGGCTGTGTGCTGT 1980  
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Qy 1981 GGTCAGGAGACCAAGAACAAAGATCCACTCTGTGTGCTAATGATTTGACCTTCA 2040  
Db 2056 GGTCAGGAGACCAAGAACAAAGATCCACTCTGTGTGCTAATGATTTGACCTTCA 2115  
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Qy 2221 CCGATTCCTGAGGCTGACAGGTTCTCCAAATCTATCAAGCTGCTGCGACAGCA 2280  
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Db 2356 GTCATATCCCCCGAGGTGACAGGCTAACAGGCGGGTTTCTCACAGCCTGTGAGC 2415  
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Db 2536 AATGATGACCCAGTCTGACATTTGAGGAGATCAACACCATCCGCTCAGTGCAGT 2595  
Qy 2521 CCAAGAAACCTGCTCCCTGAAATTTGCTGCTGCCAGAAAGTGTCTCAATGGAGCTGT 2580  
Db 2596 CCAAGAAACCTGCTCCCTGAAATTTGCTGCTGCCAGAAAGTGTCTCAATGGAGCTGT 2655  
Qy 2581 GATGGCTGCACTTCCACTTCCGTGGAGAGGCGGCTGTGCGCTGCTGCTCAGT 2640  
Db 2656 GATGGCTGCACTTCCACTTCCGTGGAGAGGCGGCTGTGCGCTGCTGCTCAGT 2715  
Qy 2641 GCTGACTACCATGCTATGCTCAGACAGCTGTGTGGATCCAGAAACTTACGTTAGTG 2700  
Db 2716 GCTGACTACCATGCTATGCTCAGACAGCTGTGTGGATCCAGAAACTTACGTTAGTG 2775  
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Qy 3000 TTTGGGAGATCAAAATCATTTTACCTCCAAAGAGACTCCGATGATTTGACTCAGTGC 3059  
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Sequence 37, Application US/10145127
Publication No. US20040033558A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroli, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3303R1C252
CURRENT APPLICATION NUMBER: US/10/145,127
CURRENT FILING DATE: 2002-05-13
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 37
LENGTH: 3501
TYPE: DNA
ORGANISM: Homo Sapien
FEATURE:
NAME/KEY: unsure
LOCATION: 2762, 2778
OTHER INFORMATION: unknown base
US-10-145-127-37

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Query Match          99.1%; Score 3303.4; DB 13; Length 3501;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3331; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

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QY 61 GCTGAGCCTGGGAGCAGCAGCAGCTGCTGCGGCTGAGGAGTCAAGGAGAACTGAGAGGCG 120
DB 136 GCTGAGCCTGGGAGCAGCAGCAGCTGCTGCGGCTGAGGAGTCAAGGAGAACTGAGAGGCG 195
QY 121 ATACCCGCGTGTGGGCGCTGCTGCTGCGGCTGAGGAGCAGGCTTCCAGGTGACCCAGGGA 180
DB 196 ATACCCGCGTGTGGGCGCTGCTGCTGCGGCTGAGGAGCAGGCTTCCAGGTGACCCAGGGA 255
QY 181 AGCGGAGCCGAGGCTTCAAGCGCTGCAAGAGTCTGATACCACTATGATAGTACACGCGGTGT 240
DB 256 AGCGGAGCCGAGGCTTCAAGCGCTGCAAGAGTCTGATACCACTATGATAGTACACGCGGTGT 315
QY 241 GACAGCAGCGGTTCAAGGTGAGAGTCCGCGTGCAGATACCCCGGAGCTGTGACACAGC 300
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QY 301 CTGCGCTGACCCCGTCAAGGAGCAGAGTGTCTTCTCTGCAACGCGGAGGATTTCTG 360
DB 376 CTGCTGACCCCGTCAAGGAGCAGAGTGTCTTCTCTGCAACGCGGAGGATTTCTG 435
QY 361 GATATGAAGACAGTCAATGATGAGCAGTGTGAGGAGCGGCTACTCCCTCGGACAGGCG 420
DB 436 GATATGAAGACAGTCAATGATGAGCAGTGTGAGGAGCGGCTACTCCCTCGGACAGGCG 495
QY 421 ATTGGGTTGATAGTGGAGTGAAGTGGCCCACTGAGGCTTTGCGAGCTTCAAGCAACATG 480
DB 496 ATTGGGTTGATAGTGGAGTGAAGTGGCCCACTGAGGCTTTGCGAGCTTCAAGCAACATG 555

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QY 481 GAGCTGATGACAGTGGCTGCTGATGCTCAACCGGAGACTGACTTCTGCAAGTGGGTTCC 540
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QY 661 TTGAGTTTTTCTGCAAGTGAACAGTGGCCAGGCAATGAGATGACTCAGGTGATG 720
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QY 1021 TCTTCTGTAAAGTGGCGCCAGCTTTCACAGACAAAGATTTATTTCTACACACAGCGCC 1080
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DB 1576 CCGAGTGGTGAAGGAGACAGAGATTAAGAGGTGGCAGATTCATTTGTCTTT 1635
QY 1561 GAGACCTCTTCTGTTGTAAGTGTGAGCTTCACTTCAATGAGGTGTGAATTTAGAGAC 1620

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Db	1636	GAGACCCCTCTGTTCTGTGAACCTGTGAGCTCTTACTTCAAGTGGGGTGTGAATTTCAAGACC	16959
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Qy	1691	GAGAGGAACATCAACGAGCTTCAACCTGGGCTTCCAGAGGACCACTTTTCAAGAGCA	17400
Db	1756	GAGAGGAACATCAACGAGCTTCAACCTGGGCTTCCAGAGGACCACTTTTCAAGAGCA	18151
Qy	1741	AGCAGGAAGTACACCAATGAGCTTGCAGAAATCTACATCAATGTCACCAATGTTATG	18000
Db	1816	AGCAGGAAGTACACCAATGAGCTTGCAGAAATCTACATCAATGTCACCAATGTTATG	18757
Qy	1801	AATGGCGTGGCTCCTTACTGCGCTCCCTGTGCTCCAGAAAGCTCTGAATGGGCTCCCTC	18666
Db	1876	AATGGCGTGGCTCCTTACTGCGCTCCCTGTGCTCCAGAAAGCTCTGAATGGGCTCCCTC	19353
Qy	1861	TGCACCTTGTCTGTGCTGTACTATATTTGACCGAGATTGAGAACTGCGACCTCTGC	19200
Db	1936	TGCACCTTGTCTGTGCTGTACTATATTTGACCGAGATTGAGAACTGCGACCTCTGC	19959
Qy	1921	CCCCCTTAAACAATTTCTGAAAGCCCAACAGCTTTATGCTGTCCAGGCTGTGTGCGCTGT	19800
Db	1996	CCCCCTTAAACAATTTCTGAAAGCCCAACAGCTTTATGCTGTCCAGGCTGTGTGCGCTGT	20555
Qy	1981	GATCCAGGAGCAAGAACAACAAGATCACTCTGTGCTCAATGATTTGACCTTCTCA	20400
Db	2056	GATCCAGGAGCAAGAACAACAAGATCACTCTGTGCTCAATGATTTGACCTTCTCA	21151
Qy	2041	CGCAACACTCCAACCCAGGACTTTTCAATCAACATTTCTCCGCTTTGGCAAAACCGTCACT	21000
Db	2116	CGCAACACTCCAACCCAGGACTTTTCAATCAACATTTCTCCGCTTTGGCAAAACCGTCACT	21757
Qy	2101	CTTGCTGGAGGGCCAGCTTCACTCCAAAGGTTGAATCTTCAATCACTTAAACCTC	21600
Db	2176	CTTGCTGGAGGGCCAGCTTCACTCCAAAGGTTGAATCTTCAATCACTTAAACCTC	22353
Qy	2161	AGTCTCTGTGAAACCAAGGTTAGGAAATGTCTGTGTCAACGCAATGTCACTGACCTC	22200
Db	2236	AGTCTCTGTGAAACCAAGGTTAGGAAATGTCTGTGTCAACGCAATGTCACTGACCTC	22959
Qy	2221	CGGATTTCTGAGGGTGAATCAAGGTTCTTCCAAATCTATCAAGCTTAACTGTCCAGGCA	22800
Db	2296	CGGATTTCTGAGGGTGAATCAAGGTTCTTCCAAATCTATCAAGCTTAACTGTCCAGGCA	23555
Qy	2281	GTCATCATCCCCCAGAGGTACAGAGGCTACAAGGCGGGGTTTCTCAACGCTGTCAAGC	23400
Db	2356	GTCATCATCCCCCAGAGGTACAGAGGCTACAAGGCGGGGTTTCTCAACGCTGTCAAGC	24151
Qy	2341	CTTGCTGATCGACTTATTTGGGGTGCACAAGATATGACTCTTGATGTAATCACTCCCA	24000
Db	2416	CTTGCTGATCGACTTATTTGGGGTGCACAAGATATGACTCTTGATGTAATCACTCCCA	24757
Qy	2401	GCTGAACTTTCCACTGAGTCCCTTGGAAATACCGGACGATGTTCTTTTATAGGTC	24600
Db	2476	GCTGAACTTTTCACCTTGAATCCTCTTGGAAATACCGGACGATGTTCTTTTATAGGTC	25353
Qy	2461	AATGATGTGACCCAGTCTCTGCAATTTGAGAGATCAACCACTATCCGCTGAGGTGACGT	25200
Db	2536	AATGATGTGACCCAGTCTCTGCAATTTGAGAGATCAACCACTATCCGCTGAGGTGACGT	25959
Qy	2521	CCACAGAAACCTGCTCCCTGGAAGTTGTGCTGCTCCAGAAAGCTGTCAGATGGAACCTGT	25800
Db	2596	CCACAGAAACCTGCTCCCTGGAAGTTGTGCTGCTCCAGAAAGCTGTCAGATGGAACCTGT	26555
Qy	2581	GATGAGTCAACTTCCACTTCTCCTGTGGAGAGCGCGGCTGTGCGCCCTGTGCTCAATG	26400
Db	2656	GATGAGTCAACTTCCACTTCTCCTGTGGAGAGCGCGGCTGTGCGCCCTGTGCTCAATG	27151
Qy	2641	GCTGATTCACATGCTATGTGACGACGCTGTGTGCTGGGAATCCAGAAACTTACTTACGTG	27000

Db	2716	GCTGACTACCATGCTATTCGTACAGAGCTGTGTGGCTGGATTCAGAAAGACTACTTACGTG	2775
Qy	2701	TGGGAGAAACCCAGAGCTATGCTCTGCGTGGGAAATTTCTGCTGTAGAGAGATCAACCATC	2760
Db	2776	TGAGGAGAACCCAGGCTATGCTGTGGTGGATTTCTTGCTGTAGAGAGATCAACCATC	2835
Qy	2761	TGCAAAACCATAGATTTCTGGCTGGAAGTGGGAGCTCTGTGACAGCACTGTACTGGCATC	2820
Db	2836	TGCAAAACCATAGATTTCTGGCTGGAAGTGGGAGCTCTGTGACAGCACTGTACTGGCATC	2895
Qy	2821	CTGCTCACCGTCTTGACCTGTACTTTTGGAAAAAGATCAAAAACCTAGATCAAGTAC	2860
Db	2896	CTGCTCACCGTCTTGACCTGTACTTTTGGAAAAAGATCAAAAACCTAGATCAAGTAC	2955
Qy	2881	TCCAGAGCTGGATGAATGCTACTCTCAAGAGCTGTACTGTCAGAGCTGACAGCTGC	2940
Db	2956	TCCAGAGCTGGATGAATGCTACTCTCAAGAGCTGTACTGTCAGAGCTGACAGCTGC	3015
Qy	2941	GCCATCATGGAAGGCGAGATGTAGAGAGCACTCATCTTTTACCAAGAGAA-TCACCTC	2999
Db	3016	GCCATCATGGAAGGCGAGATGTAGAGAGCACTCATCTTTTACCAAGAGAAAGTCACTT	3075
Qy	3000	TTTGGGAAGATCAATATCATTTACTCTCCAGAGAGCTCTGATGATTTGACTAGTACCG	3059
Db	3076	TTTGGGAAGATCAATATCATTTACTCTCCAGAGAGCTCTGATGATTTGACTAGTACCG	3135
Qy	3060	CTGAAGACATCTCTAGAGAGGCCAGACATGGAACCTGTGAGAGCACTGCTGCTCACT	3119
Db	3136	CTGAAGACATCTCTAGAGAGGCCAGACATGGAACCTGTGAGAGCACTGCTGCTCACT	3195
Qy	3120	GCTCTCTCACCTTGCAATAGCACTTTGCAAGCCTGGGCGGATTTGGGTGCGACAGATCTG	3179
Db	3196	GCTCTCTCACCTTGCAATAGCACTTTGCAAGCCTGGGCGGATTTGGGTGCGACAGATCTG	3255
Qy	3180	CAACACCCACATGCTGGAATCTCTTCAATGTGGCTTATCAGATGTTTGAATTTGCATC	3239
Db	3256	CAACACCCACATGCTGGAATCTCTTCAATGTGGCTTATCAGATGTTTGAATTTGCATC	3315
Qy	3240	TTTTTTTATAGATGATCCCAAACTCTTCTGTGCTTGCCTCAAACTGCGCAATATPACC	3299
Db	3316	TTTTTTTATAGATGATCCCAAACTCTCTTCTGTGCTTGCCTCAAACTGCGCAATATPACC	3375
Qy	3300	ACACTTGTGTTGTAATTAATAAAAAAAAAAAAAA 3334	
Db	3376	ACATTTTATTAATAATAAAAAAAAAAAAAA 3410	

Mon Jun 21 10:18:01 2004

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1 / CURRENT FILING DATE: 2002-05-30
2 / NUMBER OF SEQ ID NOS: 550
3 / SEQ ID NO 37
4 / LENGTH: 3501
5 / TYPE: DNA
6 / ORGANISM: Homo Sapien
7 / FEATURE:
8 / NAME/KEY: unsure
9 / LOCATION: 2752..2778
10 / OTHER INFORMATION: unknown bases
11 /
12 JS-10-160-503-37

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Query Match	99.1%;	Score 3303.4;	DB 13;	Length 3501;
Best Local Similarity	99.6%;	Pred. No. 0;		
Matches 3321;	Conservative	0;	Mismatches 13;	Indels 1;
			Gaps	1

QY	1	GGAGAGACAGCAGCGGACGACACTGAGCGGCTACCTGCGCTACCTCAGACAAACGTAG	60
Db	76	GGAGAGACAGCAGCGGACGACACTGAGCGGCTACCTCAGACAAACGTAG	135
QY	61	GCTGAGCTTGGGACACAGCCATCTCTCCGACAGTAAAGGAGAACTGAAAGGCC	120
Db	136	GCTGAGCTTGGGACACAGCCATCTCTCCGACAGTAAAGGAGAACTGAAAGGCC	195
QY	121	ATACCCCGGCTTGGCGGCTGTGCTCTGGAGCTGGGACCGCTTCCAGGTGAACCAAGGA	180
Db	136	ATACCCCGGCTTGGCGGCTGTGCTCTGGAGCTGGGACCGCTTCCAGGTGAACCAAGGA	255
QY	181	ACGGACCCGGACCTTCAAGCCTTGCAGAAAGTCTGATACCATTAAGATGAACGGGCT	240
Db	256	ACGGACCCGGACCTTCAAGCCTTGCAGAAAGTCTGATACCATTAAGATGAACGGGCT	315
QY	241	GACAGCACGGGTTTCCAGGTGAGAGGTCGCGGTGCGCATACCCCGGACCTGTGACACAC	300
Db	316	GACAGCACGGGTTTCCAGGTGAGAGGTCGCGGTGCGCATACCCCGGACCTGTGACACAC	375
QY	301	CTGCCCTAACCCGCTCAAGGGACACCAAGTCTCTCTCTCGAAACGCGGGGAGTTCTG	360
Db	376	CTGTCTGACCCGCTCAAGGGACACCAAGTCTCTCTCTCGAAACGCGGGGAGTTCTG	435
QY	361	GATATGAAGACACAGTCATGTAAAGCCATCGCTGAGAGGCGGCTACTCCCTCGGACAGGC	420
Db	436	GATATGAAGACACAGTCATGTAAAGCCATCGCTGAGAGGCGGCTACTCCCTCGGACAGGC	495
QY	421	ATTGCGTTTGAAGAGTGGGATAGAGTGGCCCATAGGTTTGGACGCTCTCAGGCACAG	480
Db	496	ATTGCGTTTGAAGAGTGGGATAGAGTGGCCCATAGGTTTGGACGCTCTCAGGCACAG	555
QY	481	GAGCTGGATGACAGTCTCTGAGTCCACCGGAACTGTACTTGTGCAAGTGGTTCCTC	540
Db	556	GAGCTGGATGACAGTCTCTGAGTTCACCGGAACTGTACTTGTGCAAGTGGTTCCTC	615
QY	541	CGGGGCGATACATGCGCTTCAACACGGAGAAATGACAGCCACATGATGTAAACGCGTC	600
Db	616	CGGGGCGATACATGCGCTTCAACACGGAGAAATGACAGCCACATGATGTAAACGCGTC	675
QY	601	AACCTGAAGCAATCTTGGCACCGTTAACTTGAATACTACTATTCAGACTCCAGACATATC	660
Db	676	AACCTGAAGCAATCTTGGCACCGTTAACTTGAATACTACTATTCAGACTCCAGACATATC	735
QY	661	TTTGAGTTTTTGGTTGAGATGACGAGTGCAGGCCCAATGACAGATATCTCAGGTGGATG	720
Db	736	TTTGAGTTTTTGGTTGAGATGACGAGTGCAGGCCCAATGACAGATATCTCAGGTGGATG	795
QY	721	AAGACCAAGAGAAAGATGGGAATTCACAGTGTGAAGTAATGAGGCAATATATGTC	780
Db	796	AAGACCAAGAGAAAGATGGGAATTCACAGTGTGAAGTAATGAGGCAATATATGTC	855
QY	781	CTCTATTGGAGAACACAGAGCTTCTCAGATGAGCAAAAGTACCAAGCGCTGTGCTGGTG	840
Db	856	CTCTATTGGAGAACACAGAGCTTCTCAGATGAGCAAAAGTACCAAGCGCTGTGCTGGTG	915
QY	841	AGAAACATTGCCATAACGGGGTGGCTTACCTTCAAGATGCTTCCCTTGCAAACCTGGC	900

Db	916	AGAAACATTGGCATTAACAGGGGGTGGCTTACCTTCAGATGCTTCCCTGGCAACCTGGC	975
QY	901	ACGATATGAGACAGAGCAGGGGCTCCTCTCTTTCGGCAAACTTTGGCCAGGCCAATCTTATTC	960
Db	976	ACGATATGAGACAGAGCAGGGGCTCCTCTCTTTCGGCAAACTTTGGCCAGGCCAATCTTATTC	10335
QY	961	AATAAGAGAGAACTTCTTGGCACACAGTGTGACCCCTGCAAAATATCTCAGAGAAAGATCT	1020
Db	1036	AATAAGAGAGAACTTCTTGGCACACAGTGTGACCCCTGCAAAATATCTCAGAGAAAGATCT	1095
QY	1021	TCTTCTCTGTAAACGTGGCCGCCAGCTTTCACACAGCAAAAGTTATTTCTACACACACGGCC	108
Db	1096	TCTTCTCTGTAAACGTGGCCGCCAGCTTTCACACAGCAAAAGTTATTTCTACACACACGGCC	1155
QY	1081	TGCGATGCGCAACGAGAGAGACAACTCATGTATCAATATGGGCGCAAGCCGAATCTGTAGC	1140
Db	1156	TGCGATGCGCAACGAGAGAGACAACTCATGTATCAATATGGGCGCAAGCCGAATCTGTAGC	1215
QY	1141	GAGAACCTTGAGGGGGGAGTGAAGCTGCTGCTCTGGTGTGAAGACCACTGCCACCC	1200
Db	1216	GAGAACCTTGAGGGGGGAGTGAAGCTGCTGCTCTGGTGTGAAGACCACTGCCACCC	1275
QY	1201	TGCAACCCAGGGCTTCTTCAAAACCAACACAGCACTGGCAGGCCCTGGCCCATATAGTTCC	126
Db	1276	TGCAACCCAGGGCTTCTTCAAAACCAACACAGCACTGGCAGGCCCTGGCCCATATAGTTCC	1333
QY	1261	TACTCCAAATGGCTCAGACTGTATCCCGCTGCCCTGCAGGAGCTGAACCTGTGGGATTT	1320
Db	1336	TACTCCAAATGGCTCAGACTGTATCCCGCTGCCCTGCAGGAGCTGAACCTGTGGGATTT	1395
QY	1321	GAATTCAAATGTGTGGAACACGCTGGCCCAAAACATGGAAGACCGTTCTCAGTGGGATC	138
Db	1396	GAATTCAAATGTGTGGAACACGCTGGCCCAAAACATGGAAGACCGTTCTCAGTGGGATC	145
QY	1381	AACCTCGAGTCAAGAGGCGATGACAGGCTGGGAGGCGTGTGTGATCACTATTACACACT	1440
Db	1456	AACCTCGAGTCAAGAGGCGATGACAGGCTGGGAGGCGTGTGTGATCACTATTACACACT	151
QY	1441	GCTGAGGCTCAGACAAATGACTTCATGATTTCTCACTCTGTTGTGGCCAGATTTAGACCT	150
Db	1516	GCTGAGGCTCAGACAAATGACTTCATGATTTCTCACTCTGTTGTGGCCAGATTTAGACCT	1575
QY	1501	CGGAGTGTGGATGGGAGACACAGAGAGTAAAGAGTGGGCGAGATCACATTTGCTTT	156
Db	1576	CGGAGTGTGGATGGGAGACACAGAGAGTAAAGAGTGGGCGAGATCACATTTGCTTT	1633
QY	1561	GAGACCCCTCTTCTGTGAAGTGTGAGCTTCACTCATGTGTGGTGTGAATTTCAAGACC	1620
Db	1636	GAGACCCCTCTTCTGTGAAGTGTGAGCTTCACTCATGTGTGGTGTGAATTTCAAGACC	1695
QY	1621	AACACTCTCTGTGGAGACGTGGAAAGTTCCAAAGGCAACAGTCTTAACCTTACATCATTT	168
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QY	1681	GAGAGAAACATCAACACGAGCTTCACTCGGGCTTCCAGAGAGCACTTTTCATGAGCA	1740
Db	1756	GAGAGAAACATCAACACGAGCTTCACTCGGGCTTCCAGAGAGCACTTTTCATGAGCA	1815
QY	1741	AGCAGGAAGTACACCAATGACGTTGGCCAAATCTAATCTCAATATGTATCAACCAATGTATG	180
Db	1816	AGCAGGAAGTACACCAATGACGTTGGCCAAATCTAATCTCAATATGTATCAACCAATGTATG	1875
QY	1801	AATGGCGTGGGCTCTTATGCGCGTCCGTGACCTCAGAAAGCTCATGATGGGCGCTTCC	186
Db	1876	AATGGCGTGGGCTCTTATGCGCGTCCGTGACCTCAGAAAGCTCATGATGGGCGCTTCC	1933
QY	1861	TGCACCTTGTGTCTGTGTGTACTATATTTGACCGAGATTCAGAGAACTTGCACCTCTGC	192
Db	1936	TGCACCTTGTGTCTGTGTGTACTATATTTGACCGAGATTCAGAGAACTTGCACCTCTGC	1995
QY	1921	CCCCCTAACAAATTCGAAAGCCACAGGCTTATGATGTCCAGAGCCGTGTGGCCCTGT	198

Db 1996 CCCCCTAACCAATTCTGAAAGCCCAACAGCCTTATGTCGTCAGGCGCTGTGCCCCCT 2055  
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Db 2056 GGTTCAGGAGCAAGAAACAAGATCACTCTCTGTGCTACAAATATGACCTTCTCA 2115  
Qy 2041 CGGAACCTCCACCAAGGACTTTCACCTACCACTCTCTGCTTGGGAAACCCGCTAC 2100  
Db 2116 CGGAACCTCCACCAAGGACTTTCACCTACCACTCTCTGCTTGGGAAACCCGCTAC 2175  
Qy 2101 CTTCCTGAGAGGCGCAAGCTTCACTTCGAAAGGCTGAATATCTTCATCACTTACCTC 2160  
Db 2176 CTTCCTGAGAGGCGCAAGCTTCACTTCGAAAGGCTGAATATCTTCATCACTTACCTC 2235  
Qy 2161 AGTCCTCTGAGAAACCAAGGCTAGGAAATGTCTGTGCAACCGACATGTCTGCTC 2220  
Db 2236 AGTCCTCTGAGAAACCAAGGCTAGGAAATGTCTGTGCAACCGACATGTCTGCTC 2295  
Qy 2221 CGGATTCCTGAGGAGTGTGTCAGGCTTCTCCAAATCTATCAACAGCTTACGCTGCCAGCA 2280  
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Db 2416 CTTCCTGATGACTTATTTGGGGTGACACAGATATGACTCTGTGAGTAATCACTTCCCA 2475  
Qy 2401 GCTGAACCTTTCAACCTGAGTCCCTTGGGAATACCGGAGGTGATCTTTCTTTATAGTTC 2460  
Db 2476 GCTGAACCTTTCAACCTGAGTCCCTTGGGAATACCGGAGGTGATCTTTCTTTATAGTTC 2535  
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Db 2596 CCAAGAAAACTGTCCCTGGAACTTTGCTGCTCCAGAAACGCTGCTCAATGGGACTGT 2655  
Qy 2581 GATGGCTGGAACCTTCACTCTCTGAGGAGAGCGCGCTGCTGCGCGCTGCTGCTCAGT 2640  
Db 2656 GATGGCTGGAACCTTCACTCTCTGAGGAGAGCGCGCTGCTGCGCGCTGCTGCTCAGT 2715  
Qy 2641 GCTGACTACCATGCTATCTGTCAAGAGTGTGTGCTGAGATCCAGAGACTATTAAGTG 2700  
Db 2716 GCTGACTACCATGCTATCTGTCAAGAGTGTGTGCTGAGATCCAGAGACTATTAAGTG 2775  
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Qy 2761 TGCAAAAACATAGATTTCTGGCTGAAGAGTGGGATCTTCAGAGGACCTGTATCGCATC 2820  
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Db 3076 TTGAGGAAGATCAATCAATTTTACCTCAAGAGACTTCCGATGAGATTTTGAATCAAGTCCG 3135

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Db 3196 GCTTCCTACCTTCATAGCACTTTTGAAGCCCTGCGGCAATTTGGTGGCAGATCTGT 3255  
Qy 3180 CAACACCACTGCTGGAATCTCTTCATTTGGGCTTATCAGATTTTGAATTTCAATC 3239  
Db 3256 CAACACCACTGCTGGAATCTCTTCATTTGGGCTTATCAGATTTTGAATTTCAATC 3315  
Qy 3240 TTTTCTTATGAGTACCAAAACCTCTTCTGCTGCTCAAACTGCCAAATATATACC 3299  
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Db 3376 AACTTTTTTAAAAAATTTAAAAAATTTAAAAA 3410

## RESULT 7

US-10-143-118-37

; Sequence 37, Application US/10143118  
; Publication No. US20040038335A1

## GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: Deforge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroli, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P330R1C28  
CURRENT FILING DATE: 2002-05-09  
Prior Application removed - See Palm or File Wrapper  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 37  
LENGTH: 3501  
TYPE: DNA  
ORGANISM: Homo Sapien  
FEATURE:  
NAME/KEY: unsure  
LOCATION: 2762, 2778  
OTHER INFORMATION: unknown base  
US-10-143-118-37

Query Match 99.1%; Score 3303.4; DB 13; Length 3501;  
Best Local Similarity 99.6%; Pred. No. 0;  
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;  
Qy 1 GCAGAGAGAGAGCGCGAGAGACTCTGAGCGGCTATGCGGCTCACTAGAGCAACGCTATG 60  
Db 76 GCAGAGAGAGAGCGCGAGAGACTCTGAGCGGCTATGCGGCTCACTAGAGCAACGCTATG 135  
Qy 61 GCTGAGCTGGGACAGACCAACATCTCTCCGCGAGATCAGGGGAAAGAACTGAGAGGCGC 120  
Db 136 GCTGAGCTGGGACAGACCAACATCTCTCCGCGAGATCAGGGGAAAGAACTGAGAGGCGC 195

QY 121 ATACCCCGGCTGTGGCGCTGTGCTGTGGGCTGTGGGACCGCTTCCAGGTGACCCAGGGA 180  
 Db 196 ATACCCCGGCTGTGGCGCTGTGCTGTGGGCTGTGGGACCGCTTCCAGGTGACCCAGGGA 255  
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 Db 1696 AACACTCTGTGAGAGCTGTGAAGAGTTCCAAAGGCAAAAGTCTTACTATCATATT 1755  
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 Db 1876 AATGGCGGCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1935  
 QY 1861 TGCACTCTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1920  
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 QY 1921 CCCCCTTAACAAATTTGAAAGCCCAAGCTTAAATGATGATGATGATGATGATGATGATG 1980  
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 QY 1981 GGTCCAGGACCAAGAACCAAGATGACCTCTGTGTCAATGATGATGATGATGATGATGATG 2040  
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 Db 2176 CTGCTGAGAGGCAAGCTTCACTTCCAAAGGTTGAAATCTTCCATCACTTAACCTC 2235  
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 Db 2236 AGTCTCTGTGAAACAGGGTGAAGAAATGTCTGTGTGACCGCAATGTGACTGACTC 2295  
 QY 2221 CGGATTCCTGAGGGTGAAGTGTGCTGCAAAATCTTCAAGCTTCAAGTGTGCAAGCA 2280  
 Db 2296 CGGATTCCTGAGGGTGAAGTGTGCTGCAAAATCTTCAAGCTTCAAGTGTGCAAGCA 2355  
 QY 2281 GTCATCATCCCCCAGAGGTGACAGGCTACAGGCGGGGTTTCTCAAGCCTGTGAGC 2340







Db 2716 GCTGACTACCATGCTAATCGTCAGAGCTGTGTGGTGGATCCAGANGACTACTTACGTG 2775  
 QY 2701 TGGCGAGAACCCAGCATATCTGTGGGATTTCTGTGCTAGAGAGAGACACCATC 2760  
 Db 2776 TACGAGAACCCAGCATATCTGTGGGATTTCTGTGCTAGAGAGAGACACCATC 2835  
 QY 2761 TGCAGAACCATATATTTCTGTGGGATTTCTGTGCTAGAGAGAGACACCATC 2820  
 Db 2836 TGCAGAACCATATATTTCTGTGGGATTTCTGTGCTAGAGAGAGACACCATC 2895  
 QY 2821 CTGCTCAGCGCTTTGACCTCTCTCTTTGGAAAAAGATCAAAAATTAAGATTCAGATTC 2880  
 Db 2896 CTGCTCAGCGCTTTGACCTCTCTCTTTGGAAAAAGATCAAAAATTAAGATTCAGATTC 2955  
 QY 2881 TCCAGCTGTGTGATGATGCTACTCTCAAGAGACTCTGACCTGACAGCTGACAGCTGC 2940  
 Db 2956 TCCAGCTGTGTGATGATGCTACTCTCAAGAGACTCTGACCTGACAGCTGACAGCTGC 3015  
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 Db 3016 GCCATCATGAGAGCGGAGATGTAGAGAGACGACCTCATCTTTACGAGAGAA-TCATCTC 3075  
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 Db 3076 TTTGGGAGAGATCAATATTTTACCTCCAGAGAGACTCTGATGATTTGACTAGTCCG 3135  
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 Db 3136 CTGAGAGCATCTCAGAGAGCGCCAGACATGACCTGTGAGAGGCACTGCTGCTCCTC 3195  
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 Db 3196 GCTCTCTCAGCTTGCATAGACAGCTTTGGAGAGCTGTGGGCGATTTGGGTGCCAGACCTCG 3255  
 QY 3180 CAACACCACCTGCTGGAATCTCTCATTTGTGCTTATCAGATGTTGAATTTAGATC 3239  
 Db 3256 CAACACCACCTGCTGGAATCTCTCATTTGTGCTTATCAGATGTTGAATTTAGATC 3315  
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 ; Sequence 37, Application US/10158787  
 ; Publication No. US20040039164A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Beresini, Maureen  
 ; APPLICANT: DeForge, Laura  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerltzen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Sherwood, Steven  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K  
 ; APPLICANT: Wood, William  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3330R1C449  
 ; CURRENT APPLICATION NUMBER: US/10/158,787

; CURRENT FILING DATE: 2003-04-03  
 ; PRIOR APPLICATION NUMBER: 60/049911  
 ; PRIOR FILING DATE: 1997-06-18  
 ; PRIOR APPLICATION NUMBER: 60/056974  
 ; PRIOR FILING DATE: 1997-08-26  
 ; PRIOR APPLICATION NUMBER: 60/059113  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/059115  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/059117  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/059122  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/059184  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/059263  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/059352  
 ; PRIOR FILING DATE: 1997-09-19  
 ; PRIOR APPLICATION NUMBER: 60/059588  
 ; PRIOR FILING DATE: 1997-09-19  
 ; Remaining Prior Application data removed - See File wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 550  
 ; SEQ ID NO 37  
 ; LENGTH: 3501  
 ; TYPE: DNA  
 ; ORGANISM: Homo Sapien  
 ; FEATURE:  
 ; NAME/KEY: unsure  
 ; LOCATION: 2762..2778  
 ; OTHER INFORMATION: unknown base  
 US-10-158-787-37

Query Match 99.1%; Score 3303.4; DB 13; Length 3501;  
 Best Local Similarity 99.6%; Pred. No. 0;  
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 Db 76 GAGAGAGAGAGCGGAGAGACCTGAGCGGCTACTGCGGCTGCTCAGAGCAAGCGATG 135  
 QY 61 GCTGAGCTGGGAGAGAGCAACATCTCTGCGCAGAGTCAAGGAGAGAGAGAGCGC 120  
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 QY 121 ATACCCGCGCTGTGGCGGCTGTGCTGTGGGCTGGGAGCGGCTTCCAGGTGAGACCAAGGA 180  
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 QY 181 ACGGAGCGGAGCTTCAAGCTGCAAGAGAGTGTAGTACACTATGAGTACAGCGCTGT 240  
 Db 256 ACGGAGCGGAGCTTCAAGCTGCAAGAGAGTGTAGTACACTATGAGTACAGCGCTGT 315  
 QY 241 GACAGCAGGAGTTCAGAGTGAAGGCTGCGGCTGCGCATACCCCGGCTGTGACACGAGC 300  
 Db 316 GACAGCAGGAGTTCAGAGTGAAGGCTGCGGCTGCGCATACCCCGGCTGTGACACGAGC 375  
 QY 301 CTGCTGACCCCGCTCAAGAGGAGCGAGTGTCTTCTCTGCAAGCGCGGAGATTCTG 360  
 Db 376 CTGCTGACCCCGCTCAAGAGGAGCGAGTGTCTTCTCTGCAAGCGCGGAGATTCTG 435  
 QY 361 GATATGAAGAGCAGTATGTAACCATGCGCTGAGGCGGCTATCTCTCTGCAAGCGC 420  
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 QY 421 ATTGGTTTGAATGAGTGGGAGTGAAGTGGGCTGCTGCTGCAAGCGCGGAGATTCTG 480  
 Db 496 ATTGGTTTGAATGAGTGGGAGTGAAGTGGGCTGCTGCTGCAAGCGCGGAGATTCTG 555  
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 Db 556 GAGCTGATGACAGTGTGCTGAGTCCACCGGAGAGTGTGCTGCAAGTGGGTTCC 615



QY 541 CGGGGCGACTACATCCGCTTCAACAGGACGAATGACAGCCACTGATGTAACGCGTC 600  
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Db 616 CGGGGCGACTACATCCGCTTCAACAGGACGAATGACAGCCACTGATGTAACGCGTC 675  
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QY 601 AACCTGAGCAATCTGGACCGTTAACTTGAACTACTATCTCAAGATCTCCAGATCATC 660  
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QY 661 TTGAGATTTTCGTTGAGATGACAGTGGCAGCCCAATGATGATCCAGGTGATG 720  
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Db 796 AAGACCAAGAGAGATGGAATTCACAGTGTGGAGCTAAATGAGCAATTAATGTC 855  
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QY 781 CTCTATTGAGAACCAAGGCTTCTGAGTATGAGCAAGTACCCAGGCTGTGCTGAG 840  
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Db 856 CTCTATTGAGAACCAAGGCTTCTGAGTATGAGCAAGTACCCAGGCTGTGCTGAG 915  
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| | | | |  
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Db 1096 TCTTCTGTAAAGTGTGGCCAGCTTGAACAGCAAAAGTATTTCTAACAACAGCGCC 1155  
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QY 1081 TGGAGTGCACAGGAGAGACAACTCATATGACAAATGGGCGCAAGCGCAAAATCTGATG 1140  
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Db 1156 TGGAGTGCACAGGAGAGACAACTCATATGACAAATGGGCGCAAGCGCAAAATCTGATG 1215  
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| | | | |  
Db 1216 GAGACCTTGAAGGGGAGTGAAGTGTGCTGCTGTGTGTGAAGACCACTGCCCCAGCC 1275  
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QY 1201 TGCACCCAGGCTTCTTCAAAACCAACAAAGCAAGCACTGCGAGCCCTGCCATATGCTTGC 1260  
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QY 1321 GAATTAACAATGTGTGAACACGCTGCCCAACAACTGGAAGCAACGCTTCTCACTGGAGTC 1380  
| | | | |  
Db 1396 GAATTAACAATGTGTGAACACGCTGCCCAACAACTGGAAGCAACGCTTCTCACTGGAGTC 1455  
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QY 1381 AACTTGAGTACAAGGAGCATGACAGGCTGGAGGTGCTGTGATCACTTACAGAGCT 1440  
| | | | |  
Db 1456 AACTTGAGTACAAGGAGCATGACAGGCTGGAGGTGCTGTGATCACTTACAGAGCT 1515  
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QY 1441 GCTGAGGCTCAAGCAATGACTTCATGATTCATCTCTGTGTGTGCCAGATTTAAGACT 1500  
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Db 1516 GCTGAGGCTCAAGCAATGACTTCATGATTCATCTCTGTGTGTGCCAGATTTAAGACT 1575  
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QY 1501 CCGGAGTGGTGAATGGAGACAGAGAAATAAGAGTGGCCAGAAATCAATTTGCTTT 1560  
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Db 1576 CCGGAGTGGTGAATGGAGACAGAGAAATAAGAGTGGCCAGAAATCAATTTGCTTT 1635  
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QY 1561 GAGACCTCTGTCTGTGAACGTGAGCTTACTTCAATGTGTGGGTGAATTTCTAGAGCC 1620  
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Db 1636 GAGACCTCTGTCTGTGAACGTGAGCTTACTTCAATGTGTGGGTGAATTTCTAGAGCC 1695  
| | | | |  
QY 1621 AACCTCTGTGTGAACGTGGAAGGTTCCAAAGGCAACAGTCTTAATCTTACATCATTT 1680  
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Db 1696 AACACTCTGTGTGAACGTGGAAGGTTCCAAAGGCAACAGTCTTAATCTTACATCATTT 1755  
| | | | |  
QY 1681 GAGAGAACACTTACACAGAGCTTCACTGGGCTTCCAGAGAGCAACTTTCAAGAGCA 1740  
| | | | |  
Db 1756 GAGAGAACACTTACACAGAGCTTCACTGGGCTTCCAGAGAGCAACTTTCAAGAGCA 1815  
| | | | |  
QY 1741 AGCAGAAAGTACACCAATGACGTTGCCAAGATCTATCCATCAATGTGCACCAATGTTATG 1800  
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Db 1816 AGCAGAAAGTACACCAATGACGTTGCCAAGATCTATCCATCAATGTGCACCAATGTTATG 1875  
| | | | |  
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| | | | |  
QY 1861 TGCACTCTGTGCTGCTGTTACTATATGATGACGAGATTCAGGAACCTGCACTCTGC 1920  
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Db 1936 TGCACTCTGTGCTGCTGTTACTATATGATGACGAGATTCAGGAACCTGCACTCTGC 1995  
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| | | | |  
Db 1996 CCCCCTAAACAATTTGAAAGCCCAAGCTTATGCTGTCCAGGCTGTGCTCTGT 2055  
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QY 1981 GGTCCAGGAGCCAGAAACAAGATTCATCTGTGCTCAATGATTTGACCTTCTCA 2040  
| | | | |  
Db 2056 GGTCCAGGAGCCAGAAACAAGATTCATCTGTGCTCAATGATTTGACCTTCTCA 2115  
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QY 2041 CGCAACACTCCACAGGACTTCAACTCAACTTCTCGCTTGGCAAAACCGTCACT 2100  
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| | | | |  
Db 2176 CTTCGTGAGAGGCGCAAGCTTCACTTCCAAAGGTTGAATCTTCCATCACTTTAACCTGC 2235  
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QY 2221 CGGATTCCTGAGGGTGAAGTCAAGGTTCTCCAAATCTTACAGGCTAGCTGTCCAGGCA 2280  
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Db 2296 CGGATTCCTGAGGGTGAAGTCAAGGTTCTCCAAATCTTACAGGCTAGCTGTCCAGGCA 2355  
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Db 2356 GTCATCATCCCCCGAGAGGTGACAGGCTACAGAGCCGAGGTTCTCTCACAGCTGTCAAGC 2415  
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Db 2416 CTTCGTGATGCACTTATTTGGGGTGAACACAGATGACTGTGATGATGATCACTTCCCA 2475  
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Db 2476 GCTGAACCTTTCACAGTGAAGTCTTGGGATTAACCGAGCGATGCTTTTATATAGTGC 2535  
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QY 2461 AATGATGACCCCACTCTGAGATTCTGAGATCAACCAACATCCGCTCAAGGTGACGT 2520  
| | | | |  
Db 2536 AATGATGACCCCACTCTGAGATTCTGAGATCAACCAACATCCGCTCAAGGTGACGT 2595  
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Db 2656 GATGCTCAACTTCCACTTCTGTGTGAGAGAGCGGCTGTGCTGCTGTCAAGT 2715  
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Db 2716 GCTGACTACATGCTATGTGACAGCTGTGTGTGCTGGAATCCAGAAACTTAATCTAGTG 2775  
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QY 2701 TGGCAGAAACCCAACTATGCTGTGTGCAATTTCTGTGCTGAGCAGAGTCAACATC 2760  
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QY	901	ACGTATGAGACAAACAGGCGCTCTCTTTCTGCGAACTTTGCCAGGCCAACTCTATATCA	960
Db	976	ACGTATGACAAACAGGCGCTCTCTTTCTGCGAACTTTGCCAGGCCAACTCTATATCA	1039
QY	961	AATAAAGGAGAACTTCTTGTGCCACCAAGTGTGACCTCTGACAAATACTCAGAGAAAGATCT	1020
Db	1036	AATAAAGGAGAACTTCTTGTGCCACCAAGTGTGACCTCTGACAAATACTCAGAGAAAGATCT	1039
QY	1021	TCTTCTCTGTAACGTGCGCCCACTTGTGACAGACAGAAAGATATTTCTACACACACGCGCC	1080
Db	1036	TCTTCTCTGTAACGTGCGCCCACTTGTGACAGACAGAAAGATATTTCTACACACACGCGCC	1155
QY	1081	TGCGATGCCAACGAGAGAGACAACTCAATGTACAATAGGCGCCAGCCCAAAATCTGTAGC	1140
Db	1156	TGCGATGCCAACGAGAGAGACAACTCAATGTACAATAGGCGCCAGCCCAAAATCTGTAGC	1215
QY	1141	GAGGACCTTGAGGCGGCACTGTAAGCTGCTGCTGTGTGTGAAGACCACCTGCCACCC	1200
Db	1216	GAGGACCTTGAGGCGGCACTGTAAGCTGCTGCTGTGTGTGAAGACCACCTGCCACCC	1275
QY	1201	TGCAACCCAGGCTTCTTCAAAACCAACAACACACACTGCGACGCTGCCCAATAGCTTGC	1266
Db	1276	TGCAACCCAGGCTTCTTCAAAACCAACAACACACACTGCGACGCTGCCCAATAGCTTGC	1335
QY	1261	TACTCCAAATGAGCTCAGACTGTATCCCGCTGCGCTCTGACGGGACTGAACTCGTGTGGATTT	1320
Db	1336	TACTCCAAATGAGCTCAGACTGTATCCCGCTGCGCTCTGACGGGACTGAACTCGTGTGGATTT	1395
QY	1321	GAATACAAATGCTGGAGAACACGCTGCCACAAACATGAGAAAGACCTTCTCACTGAGATC	1380
Db	1336	GAATACAAATGCTGGAGAACACGCTGCCACAAACATGAGAAAGACCTTCTCACTGAGATC	1455
QY	1381	AACTTCGAGTACAAAGGCACTGACAGAGCTGGAGGTGGCTGTGATCATTTACACAGCT	1440
Db	1456	AACTTCGAGTACAAAGGCACTGACAGAGCTGGAGGTGGCTGTGATCATTTACACAGCT	1515
QY	1441	GCTGAGGCTCAGACAAATGACTTCAATGATTTCACTCTGTGTGTGCCAGATTTAGACT	1500
Db	1516	GCTGAGGCTCAGACAAATGACTTCAATGATTTCACTCTGTGTGTGCCAGATTTAGACT	1575
QY	1501	CCGACGTGGCTATGGACAGACACACAGAAATAAGAGGTGGCCAGAAATCACTTGTCTTT	1560
Db	1576	CCGACGTGGCTATGGACAGACACACAGAAATAAGAGGTGGCCAGAAATCACTTGTCTTT	1635
QY	1561	GAGACCTCTCTGTTCTGTGAACCTGTAGCTTACCTTCAATGATGTGGTGTGAATTTAGAGCC	1620
Db	1636	GAGACCTCTCTGTTCTGTGAACCTGTAGCTTACCTTCAATGATGTGGTGTGAATTTAGAGCC	1695
QY	1621	AACACTCCTGTGAGAACGTGTGAAGAGTTCCAAAGGCCAAACGTCTTAATCTAATCACTT	1680
Db	1696	AACACTCCTGTGAGAACGTGTGAAGAGTTCCAAAGGCCAAACGTCTTAATCTAATCACTT	1755
QY	1681	GAGGAGAACACTTACACAGAGCTTCACTCGGCGCTTCCAGAGGACCACCTTTCATGAGCA	1740
Db	1756	GAGGAGAACACTTACACAGAGCTTCACTCGGCGCTTCCAGAGGACCACCTTTCATGAGCA	1815
QY	1741	AGCAGAAAGTACACCAATGACGTTGCCAAAGATCTAATCTCAATCATATGTACCAATGTTATG	1800
Db	1816	AGCAGAAAGTACACCAATGACGTTGCCAAAGATCTAATCTCAATCATATGTACCAATGTTATG	1875
QY	1801	AATGACGTGAGCTCTCTAATGACGCGTCCCTGTGCGCTTGAAGAGCTCTGATGTGGGCTCTCC	1860
Db	1876	AATGACGTGAGCTCTCTAATGACGCGTCCCTGTGCGCTTGAAGAGCTCTGATGTGGGCTCTCC	1935
QY	1861	TGCACCTCTTGTCTGCTGTGTTACTATATTTGACGAGATTCAGAGAACTGCACTCTGCG	1920
Db	1936	TGCACCTCTTGTCTGCTGTGTTACTATATTTGACGAGATTCAGAGAACTGCACTCTGCG	1995
QY	1921	CCCCCTTACAAATTCGTAAGGCCACACAGCTTATGATGTCCAGGCGCTGTGTGCCCTGT	1980
Db	1996	CCCCCTTACAAATTCGTAAGGCCACACAGCTTATGATGTGTCCAGGCGCTGTGTGCCCTGT	2055
QY	1981	GCTCCAGGAGCAACAGAACCAAGATCCACTCTGTGCTCAATGATGTGACCTCTTCA	2040

Db	2056	GGTCCAGGGAACCAAGAACCAAGATCCACTCTCTGTGCTCAATGATTGCACTTCTCA	2115
Qy	2041	CGCAACACTCCAAACCAAGACTTTCAACTACAACTTCTCGCTTTGCAAAACCGTCACT	2100
Db	2116	CGCAACACTCCAAACCAAGACTTTGCAACTACAACTTCTCGCTTTGCAAAACCGTCACT	2175
Qy	2101	CTTGCTGGAAGGCGCAAGCTTCACTTCCAAAGGTTGAAATTAATCTTCATCACTTTACCTTC	2166
Db	2176	CTTGCTGGAAGGCGCAAGCTTCACTTCCAAAGGTTGAAATTAATCTTCATCACTTTACCTTC	2233
Qy	2161	AGTCTGTGGAACCAAGGTAAGAAATGTCTGTGTCAACCGCAATGTCACTGACCTC	2220
Db	2236	AGTCTGTGGAACCAAGGTAAGAAATGTCTGTGTCAACCGCAATGTCACTGACCTC	2295
Qy	2221	CGGATTCCTGAGGGTGAAGTCAAGGTTCTCCAAATCTATCACAGCTACGTCTGCCAGGCA	2280
Db	2236	CGGATTCCTGAGGGTGAAGTCAAGGTTCTCCAAATCTATCACAGCTACGTCTGCCAGGCA	2355
Qy	2281	GTCAATCAATCCCCCGAGAGTGAACAAGGCTACAAGGCGGGGTTTCCTGCAAGCTGTCAAGC	2340
Db	2356	GTCAATCAATCCCCCGAGAGTGAACAAGGCTACAAGGCGGGGTTTCCTGCAAGCTGTCAAGC	2415
Qy	2341	CTTGCTGATGCACTTATTGGGGTGAACAACAGATATGACTGTGATGGAATCACTTCCCA	2400
Db	2416	CTTGCTGATGCACTTATTGGGGTGAACAACAGATATGACTGTGATGGAATCACTTCCCA	2475
Qy	2401	GCTGAACTTTTCCAACTGGAATCTCTTGGGAATACCGGACGTGATCTTCTTTATAGTCC	2466
Db	2476	GCTGAACTTTTCCAACTGGAATCTCTTGGGAATACCGGACGTGATCTTCTTTATAGTCC	2535
Qy	2461	AATGATGTGACCCAGTCTCTGAGTCTTGGAAGATCAACCAACATCCGCTCAGGTGACGT	2520
Db	2536	AATGATGTGACCCAGTCTCTGAGTCTTGGAAGATCAACCAACATCCGCTCAGGTGACGT	2595
Qy	2521	CCACGAAAACTGTCTCCCTGGAAGTTTGTCTGCCAAGAAAGTGTCTCAGATGGGACCTGT	2588
Db	2596	CCACGAAAACTGTCTCCCTGGAAGTTTGTCTGCCAAGAAAGTGTCTCAGATGGGACCTGT	2655
Qy	2581	GATGAGCTCAACTTCCACTTCTGTGGGAGAAGCGGCGTCTTCCCGCTCTGCTCAAGTG	2648
Db	2656	GATGAGCTCAACTTCCACTTCTGTGGGAGAAGCGGCGTCTTCCCGCTCTGCTCAAGTG	2715
Qy	2641	GCTGACTACCAATGCTATCTGACGACGCTGTGTGCTGAGATCCAGAAACTACTTACGTG	2700
Db	2716	GCTGACTACCAATGCTATCTGACGACGCTGTGTGCTGAGATCCAGAAACTACTTACGTG	2775
Qy	2701	TGGGAGAAACCAAGCTATGCTCTGCTGGTGGGCACTTCTGCGCTGAGACGAGAGTCAACATC	2760
Db	2776	TGNCAGAAACCAAGCTATGCTCTGCTGGTGGGCACTTCTGCGCTGAGACGAGAGTCAACATC	2835
Qy	2761	TGCAAAACCATAGATTCTGGCTGAAATGGGCACTCTCTGCAGGCACTGTACTCCATC	2820
Db	2836	TGCAAAACCATAGATTCTGGCTGAAATGGGCACTCTCTGCAGGCACTGTACTCCATC	2895
Qy	2821	CTGCTCAACCGCTTGAACCTGTACTCTTTTGGAAAAAGATCAAAAATTAGATTAAGATAC	2880
Db	2896	CTGCTCAACCGCTTGAACCTGTACTCTTTTGGAAAAAGATCAAAAATTAGATTAAGATAC	2955
Qy	2881	TCCAAGCTGTGATGAATGCTACTCTCAAGGACGTGACTGCGACGACGCTGACAGCTGC	2940
Db	2956	TCCAAGCTGTGATGAATGCTACTCTCAAGGACGTGACTGCGACGACGCTGACAGCTGC	3015
Qy	2941	GCCATCATGGAAGGCGAGAGTGTAGAGACGACCTCATCTTTACCAAGCAAAA-TCACTC	2999
Db	3016	GCCATCATGGAAGGCGAGAGTGTAGAGACGACCTCATCTTTACCAAGCAAAA-TCACTT	3075
Qy	3000	TTTGGGAAGATCAATCAATCAATTAACCTCCCAAGAGACTCCTATGTGATTGATCTCAAGTGGC	3059
Db	3076	TTTGGGAAGATCAATCAATCAATTAACCTCCCAAGAGACTCCTATGTGATTGATCTCAAGTGGC	3135
Qy	3060	CTGAAGCATCTTCAAGAGGCCCAAGACATGAGCTGTGAGAGCACTGCTGCTCACTT	3119



QY	1261	AACATCAATGGCTCAAGCTGTAACCCGGCTCCCTGCAGAGGAATGAACCTGCTGTGGAAATT	1320
Db	1336	TACTCCAAATGGCTCAAGCTGTATCCCGCTGCTCCCTGCAGAGGAATGAACCTGCTGTGGAAATT	1395
QY	1321	GAATACAAATGTGGAAACACGCTGCACCACAATGGAAGAAAGAACGCTGTTCTCAGTGGATC	1380
Db	1396	GAATACAAATGTGGAAACACGCTGCACCACAATGGAAGAAAGAACGCTGTTCTCAGTGGATC	1455
QY	1381	AACCTCGAGTCAAGGGGATGACAGGCTGGGAGGTGCCTGGTGAATGCATTTAACAAGCT	1440
Db	1456	AACCTCGAGTCAAGGGGATGACAGGCTGGGAGGTGCCTGGTGAATGCATTTAACAAGCT	1515
QY	1441	GCTGAGCCCTCAGACAATGACTTATGATTTCTCACTCTGATTGTGCAGATTTTAAAGCT	1500
Db	1516	GCTGAGCCCTCAGACAATGACTTATGATTTCTCACTCTGATTGTGCAGATTTTAAAGCT	1575
QY	1501	CCGCAATGCTGGTGAATGGCAGACACACAGAGATTAAGAAGTGGCCAGATTCACATTTGCTCTT	1560
Db	1576	CCGCAATGCTGGTGAATGGCAGACACACAGAGATTAAGAAGTGGCCAGATTCACATTTGCTCTT	1635
QY	1561	GAGACCCCTCTGTTCTGTGAATGTGAGCTCTACTCATGAGTGGGTGTAATTGAGAAC	1620
Db	1636	GAGACCCCTCTGTTCTGTGAATGTGAGCTCTACTCATGAGTGGGTGTAATTGAGAAC	1695
QY	1621	AACACTCTGTGGAGACGTGGAAGGTTCCAAAGGCAAAACAGTCCATATCTTAATCATCAT	1680
Db	1696	AACACTCTGTGGAGACGTGGAAGGTTCCAAAGGCAAAACAGTCCATATCTTAATCATCAT	1755
QY	1681	GAGAGAAACATACCAAGAGCTTCACTCGGGCCCTCCAGAGAGCAACATTTCAAGAGCA	1740
Db	1756	GAGAGAAACATACCAAGAGCTTCACTCGGGCCCTCCAGAGAGCAACATTTCAAGAGCA	1815
QY	1741	AGCAGGAAGTACACCAATGACGTTGGCCAGATCTACTCCATCAATGTGCACCAATGTTATG	1800
Db	1816	AGCAGGAAGTACACCAATGACGTTGGCCAGATCTACTCCATCAATGTGCACCAATGTTATG	1875
QY	1801	AATGGCGTGGCTCTCTACTGCGGTCCTGTGTGCTCTTAAGAAAGCTCTGAATGTGGGCTCCTCC	1860
Db	1876	AATGGCGTGGCTCTCTACTGCGGTCCTGTGTGCTCTTAAGAAAGCTCTGAATGTGGGCTCCTCC	1935
QY	1861	TGCACCTTTGTGTCGCTGTGTTACTATATTAACAGAGTTGAGAAACCTGCGCACTGCTGC	1920
Db	1936	TGCACCTTTGTGTCGCTGTGTTACTATATTAACAGAGTTGAGAAACCTGCGCACTGCTGC	1995
QY	1921	CCCCCTTAACAATTTGAAAGCCCAAGCCTTATGCTGTGCAGAGCTGTGTGCGCTGT	1980
Db	1996	CCCCCTTAACAATTTGAAAGCCCAAGCCTTATGCTGTGTGCAGAGCTGTGTGCGCTGT	2055
QY	1981	GATCCAGGAGCAACAGAACAAAGATCACTCTGTGTCTCAATGATGTGACCTTCTCA	2040
Db	2056	GATCCAGGAGCAACAGAACAAAGATCACTCTGTGTCTCAATGATGTGACCTTCTCA	2115
QY	2041	CGCAACACTCCAACCCAGGACTTTTCAACTACAACTTTCCGCTTTGGCAAAACCGTCACT	2100
Db	2116	CGCAACACTCCAACCCAGGACTTTTCAACTACAACTTTCCGCTTTGGCAAAACCGTCACT	2175
QY	2101	CTTGCTGAGAGGCGCAAGCTCACTTCCAAAGGTTGAATATCTTCACATCACTTTAACCTC	2160
Db	2176	CTTGCTGAGAGGCGCAAGCTCACTTCCAAAGGTTGAATATCTTCACATCACTTTAACCTC	2235
QY	2161	AGTCTCTGTGAAACCAAGGGTAGAAAAATGTGTGTGTGCACCGAACATGTCACTGACCTC	2220
Db	2236	AGTCTCTGTGAAACCAAGGGTAGAAAAATGTGTGTGTGCACCGAACATGTCACTGACCTC	2295
QY	2221	CGGATTTCTGAGGGTGAAGTCAAGGTTCTTCCAAATCTATACAGCCTTAAGTGTGCCAGGCA	2280
Db	2296	CGGATTTCTGAGGGTGAAGTCAAGGTTCTTCCAAATCTATACAGCCTTAAGTGTGCCAGGCA	2355
QY	2281	GTCATCATATCCCCCAGAGGTGACAGGCTACAAGAGCCGGGGTTTCTCTCAACACTGTGACG	2340
Db	2356	GTCATCATATCCCCCAGAGGTGACAGGCTACAAGAGCCGGGGTTTCTCTCAACACTGTGACG	2415
QY	2341	CTTGCTGAATCGACTTATTTGGGGGTGCAACACAGATATGACTCTTGATGTGAATCACTTCCCCA	2400

D	2416	CTTGCTGATGACGTTAATTGGGGTGAACAAGATAATGACTCGGATGGAATCACCCTCCCA	2475
OY	2401	GCTGAACCTTTTCACCTGGAATCCTTGGGAATACCGAAGTGATCTTTTATATAGTCC	2466
D	2476	GCTGAACCTTTTCACCTGGAATCCTTGGGAATACCGAAGTGATCTTTTATATAGTCC	2533
OY	2461	AATGATGNAACCCAGTCCCTGCAGTCTTGGGAGATCAACACCATCCGCGTAGGTGACAGT	2520
D	2536	AATGATGNAACCCAGTCCCTGCAGTCTTGGGAGATCAACACCATCCGCGTAGGTGACAGT	2599
OY	2521	CCACAGAAAACGTGCCCTGGAAGTTTGCTGCTCCAGAAGACGTGCTCAGATGGGACCTGT	2588
D	2596	CCACAGAAAACGTGCCCTGGAAGTTTGCTGCTCCAGAAGACGTGCTCAGATGGGACCTGT	2655
OY	2581	GATGGCTGCAACTCCAACTTCGTGGGGAAGAGCGCGGTGCTTGCCTGCTGCTCAGT	2644
D	2656	GATGGCTGCAACTCCAACTTCGTGGGGAAGAGCGCGGTGCTTGCCTGCTGCTCAGT	2715
OY	2641	GCTGACTACCATGCTATCGTCAGACGCTGTGTGGCTGGATCCAGAACACTACTTACGTG	2700
D	2716	GCTGACTACCATGCTATCGTCAGACGCTGTGTGGCTGGATCCAGAACACTACTTACGTG	2775
OY	2701	TGGGGAGAATCCCAAGCTATGCTCTGTGTGGCATTTTCTCTGCTGTGAGNAGAGTCAACATC	2766
D	2776	TGNAGAAATCCCAAGCTATGCTCTGTGTGGCATTTTCTCTGCTGTGAGNAGAGTCAACATC	2833
OY	2761	TGCAAAAACATAGATTTCTGGCTGAAAGTGGGACCTCTGACAGCACCTGTATCTGCAATC	2822
D	2836	TGCAAAAACATAGATTTCTGGCTGAAAGTGGGACCTCTGACAGCACCTGTATCTGCAATC	2899
OY	2821	CTGCTCAACCGTCTTGACCTGCTACTTTTGGAAAAAGATCAA AAACTTAGATCAAGTAC	2888
D	2896	CTGCTCAACCGTCTTGACCTGCTACTTTTGGAAAAAGATCAA AAACTTAGATCAAGTAC	2955
OY	2881	TCCAAGCTGGTGAATGATAGTCTACTCTCAAGAAGTGTGACCTGCAGACAGCTGACAGCTGC	2944
D	2956	TCCAAGCTGGTGAATGATAGTCTACTCTCAAGAAGTGTGACCTGCAGACAGCTGACAGCTGC	3011
OY	2941	GCCATCATGGAAGCGAGAGATGTAGAGACGACCTCATCTTTACCGACAAGA--TCACTC	2999
D	3016	GCCATCATGGAAGCGAGAGATGTAGAGACGACCTCATCTTTACCGACAAGTCACTT	3076
OY	3000	TTTTGGGAAGATCAATCATTTTAACTCCAAAGAGACTCCTGATGGAATTGACTCAATGCGC	3055
D	3076	TTTTGGGAAGATCAATCATTTTAACTCCAAAGAGACTCCTGATGGAATTGACTCAATGCGC	3133
OY	3060	CTGAAGACATCTCAGAGAGCGCCAGACATGAGACTGTAGAGAGGCACTGCCCTCACT	3118
D	3136	CTGAAGACATCTCAGAGAGCGCCAGACATGAGACTGTAGAGAGGCACTGCCCTCACT	3199
OY	3120	GCTTCCTCACTTGATAGCACTTTTGCBAECCTGCGGCGATTTGGGTGCCAGCATCTGT	3177
D	3196	GCTTCCTCACTTGATAGCACTTTTGCBAECCTGCGGCGATTTGGGTGCCAGCATCTGT	3255
OY	3180	CAACACCCACCTGCGGAAATCTCTCAATGTGGCGCTTACAGANTTTGAATTTACATC	3233
D	3256	CAACACCCACCTGCGGAAATCTCTCAATGTGGCGCTTACAGANTTTGAATTTACATC	3311
OY	3240	TTTTTTTATAGAGTACCCAAACCTCTCTTCTGCTTGCCTCAAACTGCCAAATATACC	3299
D	3316	TTTTTTTATAGAGTACCCAAACCTCTCTCTTCTGCTTGCCTCAAACTGCCAAATATACC	3376
OY	3300	ACACTTGTGTAAATTTAAAAAAAAAAAAAAAAAAAA 3334	
D	3376	ACATTTTTTTTTAAAAAAAAAAAAAAAAAAAAA 3410	

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RESULT 12
US-10-152-405-37
; Sequence 37, Application US/10152405
; Publication No. US20030211571A1
; GENERAL INFORMATION:

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Query Match	99.1%;	Score 3303.4;	DB 13;	Length 3501;
Best Local Similarity	99.6%;	Pred. No. 0;	Mismatches 13;	Indels 1;
Matches 3321;	Conservative			
QY	1	GCAGAGCAGACCCGACACCTTAGCGCGCTACTGCGCTCACTCAGGACCAACGCTATG	60	
Db	76	GCAGAGCAGACCCGACACCTTAGCGCGCTCACTCAGGACCAACGCTATG	135	
QY	61	GCTGAGCTGGGCAACGCCACATCTTCTCCGACAGATCAGGGAGAACTGAGAGCCG	120	
Db	136	GCTGAGCTGGGCAACGCCACATCTTCTCCGACAGATCAGGAGAAACTGAGAGCCG	195	
QY	121	ATACCCCGGTGGGCGGCGTGTGCTGCTGCGGCTGGGACCGGCTTCCAGGTGACCCAGGGA	180	
Db	196	ATACCCCGGTGGGCGGCGTGTGCTGCTGCGGCTGGGACCGGCTTCCAGGTGACCCAGGGA	255	
QY	181	ACGGGACCGGAGCTTACCGCTGCACAAAGATCTAGTACACTATAGTACACGCGGT	240	
Db	256	ACGGGACCGGAGCTTACCGCTGCACAAAGATCTAGTACACTATAGTACACGCGGT	315	
QY	241	GACAGCACGGGTTCCAGGTGAGGGTCCGCTGCCGATACCCGGGCTGTGCACACG	300	
Db	316	GACAGCACGGGTTCCAGGTGAGGGTCCGCTGCCGATACCCGGGCTGTGCACACAC	375	
QY	301	CTGCCCTGACCCCGTCAAGGGGACCCGAGTCTCTTCTCCGAAACGCGGGGAGTTTCG	360	
Db	376	CTGCTGACCCCGTCAAGGGGACCCGAGTCTCTTCTCTGCAACGCGGGGAGTTTCG	435	
QY	361	GATATGAAGGACGATCATGTAAAGCATGCGCTGAGGGCGGCTACTCCTCGACAGGC	420	
Db	436	GATATGAAGGACGATCATGTAAAGCATGCGCTGAGGGCGGCTACTCCTCGGCAAGGC	495	
QY	421	ATTGCGTTGATGATGGGATGAGCTGCCCATGAGCTTTTGCAAGCTTTCAGGCAATG	480	
Db	496	ATTGCGTTGATGATGGGATGAGCTGCCCATGAGCTTTTGCAAGCTTTCAGGCAATG	555	
QY	481	GAGCTGGATGACAGTCTGCTAGTGCACCGGAACTGTACTTGTGTCAAGTGGGTTCG	540	
Db	556	GAGCTGGATGACAGTCTGCTAGTGCACCGGAACTGTACTTGTGTCAAGTGGGTTCG	615	

OY		541	TGGGCGCATACATAGCCTTCAACAAGGAAGAATGCACGCCACTGATGTACCCGTC	600
Dd		616	CGGGCGCATACATAGCCTTCCAACAAGGAAGAATGCACGCCACTGATGTACCCGTC	675
OY		601	AACCTGAAGCAATCTGGCACCGCTTAATTCTGAAATCTAATCCAGACTCCAGCATATC	660
Dd		676	AACCTGAAGCAATCTGGCACCGCTTAATTCTGAAATCTAATCTCCAGACTCCAGCATATC	735
OY		661	TTTGAGTTTTTCGTTCCAGAAATGACCAGTGGCCAGCCCMAATGGAATGACTCCAGGTGGATG	720
Dd		736	TTTGAGTTTTTCGTTCCAGAAATGACCAGTGGCCAGCCCMAATGGAATGACTCCAGGTGGATG	795
OY		721	AAGACCAAGAAAGATGGGAATTCACAGTGTGAGCTAAATCGAGCAAATAATGTC	780
Dd		796	AAGACCAAGAAAGATGGGAATTCACAGTGTGAGCTAAATCGAGCAAATAATGTC	855
OY		781	CTCTATTGAGAACCAACGCTTTCAGTATGACCAATGATCCCCAGCTGTGCTGTG	840
Dd		856	CTCTATTGAGAACCAACGCTTTCAGTATGACCAATGATCCCCAGCTGTGCTGTG	915
OY		841	AGAAACATTTGCATACACAGGGGTGGCCCTACACTTCAGATGCTTCCCTCGAAACTGGC	900
Dd		916	AGAAACATTTGCATACACAGGGGTGGCCCTACACTTCAGATGCTTCCCTCGAAACTGGC	975
OY		901	ACGATATGCAGACAAGCAGGCTCTCTTTCTGCNAACCTTTGCCAGCCAACTCTTAATTC	960
Dd		976	ACGATATGCAGACAAGCAGGCTCTCTTTCTGCNAACCTTTGCCAGCCAACTCTTAATTC	1035
OY		961	AATAAGAGAGAACTTCTTGCACACAGTGTGACCTGACAAAATCTCAGAGAAAGATCT	1020
Dd		1036	AATAAGAGAGAACTTCTTGCACACAGTGTGACCTGACAAAATCTCAGAGAAAGATCT	1095
OY		1021	TCTTCTCGTAAACGTGCGCCGAGCTTGTGACAGACAAAGATTATTTCTACACACACGACC	1080
Dd		1096	TCTTCTCGTAAACGTGCGCCGAGCTTGTGACAGACAAAGATTATTTCTACACACACGACC	1155
OY		1081	TGCGATGCGCAACGAGAGACACAACTCATGTATCAAAATGGGCGAAGCCGAAAAATTTGTATG	1140
Dd		1156	TGCGATGCGCAACGAGAGACACAACTCATGTATCAAAATGGGCGAAGCCGAAAAATTTGTATG	1215
OY		1141	GAGGACCTTGAGGGGGAGTAGTAACCTGCTGCTGTGTGGAAGACCACTGGCCACC	1200
Dd		1216	GAGGACCTTGAGGGGGAGTAGTAACCTGCTGCTGTGTGGAAGACCACTGGCCACC	1275
OY		1201	TGCAACCCAGGCTTCTTCAAAAACAACAACGACCTTGCACGCCCTGCGCATATGTTTC	1260
Dd		1276	TGCAACCCAGGCTTCTTCAAAAACAACAACGACCTTGCACGCCCTGCGCATATGTTTC	1335
OY		1261	TACTCCAAATGGCTAGACTGTATCCCGCTGCCCTCAGAGACTGAACCTGCTGTGGATTT	1320
Dd		1336	TACTCCAAATGGCTAGACTGTATCCCGCTGCCCTCAGAGACTGAACCTGCTGTGGATTT	1395
OY		1321	GAATACAAATGCTGAAACACGCTGCCCAAAACATGGAACGACCGTTCTCAGTGGATC	1380
Dd		1396	GAATACAAATGCTGAAACACGCTGCCCAAAACATGGAACGACCGTTCTCAGTGGATC	1455
OY		1381	AACCTTCAGATACAAAGGCGATGACAGGCTGGAGGCTGTGTATCATTTATACAGCT	1440
Dd		1456	AACCTTCAGATACAAAGGCGATGACAGGCTGGAGGCTGTGTATCATTTATACAGCT	1515
OY		1441	GCTGAGAGCTCAGACAATGACTTATATTTCTACTCTGTGTTGCCAGATTTAGACCT	1500
Dd		1516	GCTGAGAGCTCAGACAATGACTTATATTTCTACTCTGTGTTGCCAGATTTAGACCT	1575
OY		1501	CCGCAGTGGTGTATGTCAGACACAGAGATTAAGAGGTGGCCAGATATCATTTGTCTTT	1560
Dd		1576	CCGCAGTGGTGTATGTCAGACACAGAGATTAAGAGGTGGCCAGATATCATTTGTCTTT	1635
OY		1561	GAGGACCCCTGTGTCGAAGTGTGAGACTCTAATTTAGTGAGGTGTGAATTTAGAGCC	1620
Dd		1636	GAGGACCCCTGTGTCGAAGTGTGAGACTCTAATTTAGTGAGGTGTGAATTTAGAGCC	1695

QY 1621 AACACTCTCTGTGAGAGAGCTGGAAAAGTTCCAAAAGGCNAACAGTCTATATACCTACATCATT 1680  
DB 1696 AACACTCTCTGTGAGAGAGCTGGAAAAGTTCCAAAAGGCNAACAGTCTATACCTACATCATT 1755  
QY 1681 GAGAGAAACACTACACAGAGCTTCACTGGGCGCTTCCAGAGGACCACTTTTCAATGAGGA 1740  
DB 1756 GAGAGAAACACTACACAGAGCTTCACTGGGCGCTTCCAGAGGACCACTTTTCAATGAGGA 1815  
QY 1741 AGCAGAAGTACACCAATGACGTTGCCAAGATCTACTCCATCAATGTCAACCAATGTATG 1800  
DB 1816 AGCAGAAGTACACCAATGACGTTGCCAAGATCTACTCCATCAATGTCAACCAATGTATG 1875  
QY 1801 AATGAGCTGGCTCTCTACTGCGGCTCTGTGCGCTTAAAGCTCTGTGATGAGGCTCTCC 1860  
DB 1876 AATGAGCTGGCTCTCTACTGCGGCTCTGTGCGCTTAAAGCTCTGTGATGAGGCTCTCC 1935  
QY 1861 TGCACTCTGTCTGTGCTGTTACTATATGACCGAATTCAGGAACCTGCACTCTGCG 1920  
DB 1936 TGCACTCTGTCTGTGCTGTTACTATATGACCGAATTCAGGAACCTGCACTCTGCG 1995  
QY 1921 CCCCCCTAACACAAATTCGAAAGCCACAGCTTATGTGTCTCAAGCTGTGTGCGCTGT 1980  
DB 1996 CCCCCCTAACACAAATTCGAAAGCCACAGCTTATGTGTCTCAAGCTGTGTGCGCTGT 2055  
QY 1981 GGTCACAGGACCAAGAACCAAGATGACATCTGTGCTACAAATGATGACCTCTCTCA 2040  
DB 2056 GGTCACAGGACCAAGAACCAAGATGACATCTGTGCTACAAATGATGATGACCTCTCTCA 2115  
QY 2041 CGCAACACTCCAAACAGAGCTTTCACTACAACTTCTCCGCTTTGGCAAAACACGCTACT 2100  
DB 2116 CGCAACACTCCAAACAGAGCTTTCACTACAACTTCTCCGCTTTGGCAAAACACGCTACT 2175  
QY 2101 CTGTCTGAGAGGCGCAACCTTCACTTCCAAAGGGTTGAAATCTTCACTTACCTCTC 2160  
DB 2176 CTGTCTGAGAGGCGCAACCTTCACTTCCAAAGGGTTGAAATCTTCACTTACCTCTC 2235  
QY 2161 AGTCTCTGTGAAACAGGAGTAAATGTCTGTGACCGACCAATGTCACTGACCTC 2220  
DB 2236 AGTCTCTGTGAAACAGGAGTAAATGTCTGTGACCGACCAATGTCACTGACCTC 2295  
QY 2221 CGGATTCCTGAGGCTGAGTCAAGGCTTCTCAAAATCTATCAAGCTTACGCTGCGCAGGCA 2280  
DB 2296 CGGATTCCTGAGGCTGAGTCAAGGCTTCTCAAAATCTATCAAGCTTACGCTGCGCAGGCA 2355  
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QY 2341 CTGTCTGATGACTTATTTGGGGTGAACAACAGATATGACTGTGATGGAATCACCTCCCA 2400  
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QY 2401 GCTGAACCTTTTCCACCGTGAAGTCTTGGGAATACCGGAGCTGATCTTTTATAGTGC 2460  
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QY 2461 AATGATGTGACCAAGTCTCAGTCTGGAGATCAACCAACATCCGCGTCAAGTCAAGT 2520  
DB 2536 AATGATGTGACCAAGTCTCAGTCTGGAGATCAACCAACATCCGCGTCAAGTCAAGT 2595  
QY 2521 CCACAGAAAACGTCTCTGGAAGTTTCTGTCTGCGCAGAAACGTGTCAAGTGGAGCTGT 2580  
DB 2596 CCACAGAAAACGTCTCTGGAAGTTTCTGTCTGCGCAGAAACGTGTCAAGTGGAGCTGT 2655  
QY 2581 GATGAGCTGAACCTTCCACTCTGTGGAGAGCGCGGCTCTTCCGCGCTGCTCAAGT 2640  
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QY 2641 GCTGACTACATGCTATGCTCAGACAGTGTGTGCTGGATCCAGAAAGTACTTACGTC 2700  
DB 2716 GCTGACTACATGCTATGCTCAGACAGTGTGTGCTGGATCCAGAAAGTACTTACGTC 2775  
QY 2701 TGGGAGAAACCAAGTATGCTGTGATGCTGTCTGTGAGAGAGTCAACATC 2760

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DB 2836 TGCAAAACCATGATTTTCTGTGAGTGAAGGGGCACTCTGCGAGGACCTGTCTCCCATC 2895  
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DB 2896 CTGTCAACCGTCTTGAACCTGCTACTTTTGGAAAAAATCAAAAACTAGATACAAATAC 2955  
QY 2881 TCCAACTGTGTATGAAATGCTACTCTCAAGAGCTGTGACCTGCGCAGCTGACAGCTGC 2940  
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QY 3000 TTTGGAGATCAAAATCATTTAATCTTCAAGAGACTCTGATGATTTGACTCAAGTCCG 3059  
DB 3076 TTTGGAGATCAAAATCATTTAATCTTCAAGAGACTCTGATGATTTGACTCAAGTCCG 3135  
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DB 3196 GCTCTCTCACTTGCATAGACACTTTGCAAGCTGCGGCGATTTGGTCCAGCATCTG 3255  
QY 3180 CAACACCCACTGCTGGAATCTTCAATTTGGCTTATGAGATTTGAATTTAGATC 3239  
DB 3256 CAACACCCACTGCTGGAATCTTCAATTTGGCTTATGAGATTTGAATTTAGATC 3315  
QY 3240 TTTTATTAAGATGACCAAAACCTCTCTTCTGCTGCTCAAACTGCAAAATATACCC 3299  
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DB 3376 ACACTTGTGTTTAATTTAAAAAATTTAAAAA 3410  
  
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US-10-127-852A-37  
Sequence 37, Application US/10127852A  
Publication No. US20030203428A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: Deforge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerlitsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C88  
CURRENT APPLICATION NUMBER: US/10/127, 852A  
CURRENT FILING DATE: 2002-10-15  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18



Query Match	99.1%;	Score 3303.4;	DB 13;	Length 3501;
Best Local Similarity	99.6%;	Pred: No. 0;		
Matches 3331; Conservative	0;	Mismatches	13;	Indels 1; Gaps 1;

QY	601	TACCTGAAGCAATCGGCACCGTTAACTTGGAATACACTATCACTACAGACTCCAGATCATC	660
Db	676	AACCTGAAGCAATCGGCACCGTTAACTTGGAATACACTATCACTACAGACTCCAGATCATC	735
QY	661	TTTGAGTTTTTCGTTCCAGAAATGACCAAGTGGCCAGCCCAATGACAGATGACTCCAGTGGATG	720
Db	736	TTTGAGTTTTTCGTTCCAGAAATGACCAAGTGGCCAGCCCAATGACAGATGACTCCAGTGGATG	795
QY	721	AAGACCCACAGAAAGAGATGGGAATTCACAGTGTGAGAGCTAAATGCAGGCAATPAATGTC	780
Db	796	AAGACCCACAGAAAGAGATGGGAATTCACAGTGTGAGAGCTAAATGCAGGCAATPAATGTC	855
QY	781	CTCTAATGGAGAACACAGCCCTTCTCAGTATGACCAAAAGTACCAAGACCTGTGCTGTGTG	840
Db	856	CTCTAATGGAGAACACAGCCCTTCTCAGTATGACCAAAAGTACCAAGACCTGTGCTGTGTG	915
QY	841	AGAAACATTTGCCATPAACAGGGGTGGCCCTACACTTCAAAATGCTTCCCTGCAACCTGGC	900
Db	916	AGAAACATTTGCCATPAACAGGGGTGGCCCTACACTTCAAAATGCTTCCCTGCAACCTGGC	975
QY	901	ACGTATGACAGACAGACAGGGCTCTCTTCTTGCAAACTTTGGCCAGCCAACTTTATTTCA	960
Db	976	ACGTATGACAGACAGACAGGGCTCTCTTCTTGCAAACTTTGGCCAGCCAACTTTATTTCA	1035
QY	961	AATTAAGAGAAACTTCTTGCCACCACTATGATGACCTGACAAATCTCAGAGAAAGATCT	1020
Db	1036	AATTAAGAGAAACTTCTTGCCACCACTATGATGACCTGACAAATCTCAGAGAAAGATCT	1095
QY	1021	TCTTCTGTGTAACTGTGCGCCCGCAGCTTGGACAGACAAAGATTATTTCTACACACACGCGC	1080
Db	1096	TCTTCTGTGTAACTGTGCGCCCGCAGCTTGGACAGACAAAGATTATTTCTACACACACGCGC	1155
QY	1081	TGCGATGCCACCGGAGAGACCAACTATATGATACAAATGGGCGAAGCCGAAATCTGTAGC	1140
Db	1156	TGCGATGCCACCGGAGAGACCAACTATATGATACAAATGGGCGAAGCCGAAATCTGTAGC	1215
QY	1141	GAGACCTTTGAGGGGCGAGTGAAGCTGCGTCCCTCTGAGTGTGAAGACCCCACTGCCACCC	1200
Db	1216	GAGACCTTTGAGGGGCGAGTGAAGCTGCGTCCCTCTGAGTGTGAAGACCCCACTGCCACCC	1275
QY	1201	TGCAACCCAGGCTTCTTCAAAACCAACACAGACCTGGCCAGCCCTGCCATATGATTC	1266
Db	1276	TGCAACCCAGGCTTCTTCAAAACCAACACAGACCTGGCCAGCCCTGCCATATGATTC	1335
QY	1261	TACTCCAAATGGCTCAGACTGATACCCGCGTCCCTGACAGGACTGAACCTGCTGTGGGATTT	1320
Db	1336	TACTCCAAATGGCTCAGACTGATACCCGCGTCCCTGACAGGACTGAACCTGCTGTGGGATTT	1395
QY	1321	GAATPAACAATGCTGGAACACCGCTGCCCAACAACATGGAAGAACCCGTTCTCAGTGGGATC	1380
Db	1396	GAATPAACAATGCTGGAACACCGCTGCCCAACAACATGGAAGAACCCGTTCTCAGTGGGATC	1455
QY	1381	AACCTCGAGTACCAAGGCGATGACAGGCTGGAGGTTGGCTGTGTATCACTTTTACACAGCT	1440
Db	1456	AACCTCGAGTACCAAGGCGATGACAGGCTGGAGGTTGGCTGTGTATCACTTTTACACAGCT	1515
QY	1441	GCTGAGGCTCAGACAAATGACTTCAATGATTTCTACTCTGTGTGTGGCAGATTAAGACCT	1500
Db	1516	GCTGAGGCTCAGACAAATGACTTCAATGATTTCTACTCTGTGTGTGGCAGATTAAGACCT	1575
QY	1501	CCGCAGTGCGTGAATGCGACACAGAGATTAAGAGGTGGCCAGATCACTTTGTCTTT	1560
Db	1576	CCGCAGTGCGTGAATGCGACACAGAGATTAAGAGGTGGCCAGATCACTTTGTCTTT	1635
QY	1561	GAGACCTCTGTTCTGTGAACCTGTGAGCTCTACTCTTCACTATGTTGGGTGTGAATTCAGAGAC	1622
Db	1636	GAGACCTCTGTTCTGTGAACCTGTGAGCTCTACTCTTCACTATGTTGGGTGTGAATTCAGAGAC	1697
QY	1621	AACACTCTGTGAGACGCTGGAAGAGTTCCAAAGCCAAACAGTCTATACCTACATCAT	1688
Db	1696	AACACTCTGTGAGACGCTGGAAGAGTTCCAAAGCCAAACAGTCTATACCTACATCAT	1755



QY	1681	GAGGAGAACATCAACACAGCTTCACTCG36GCTTCCAGAGAGACCACTTTCAATGAGGCA	1740
Db	1756	GAGGAGAACATCAACACAGCTTCACTCG36GCTTCCAGAGAGACCACTTTCAATGAGGCA	1815
QY	1741	AGCAGGAAGTACACCAATGACGCTTGCCAGATCTTATCTCCATCATATGTCCACAAATGTTATG	1800
Db	1816	AGCAGGAAGTACACCAATGACGCTTGCCAGATCTTATCTCCATCATATGTCCACAAATGTTATG	1875
QY	1801	AATGACGCGGCTCCTATGCGCGTCCGCTGAGGAGGCTGATGAGGAGGCTCC	1860
Db	1876	AATGACGCGGCTCCTATGCGCGTCCGCTGAGGAGGCTGATGAGGAGGCTCC	1935
QY	1861	TGCACCTTGTCTGCTGCTGTTACTATATTTGACCGAGATTGAGAACTTGCCACTCTGTC	1920
Db	1936	TGCACCTTGTCTGCTGCTGTTACTATATTTGACCGAGATTGAGAACTTGCCACTCTGTC	1995
QY	1921	CCCCCTAACACATTTCTGAAAAGCCCAACAGCTTATGCTGTCCAGGCTGTGTGCTCTCT	1980
Db	1996	CCCCCTAACACATTTCTGAAAAGCCCAACAGCTTATGCTGTCCAGGCTGTGTGCTCTCT	2055
QY	1981	GATCCAGGGACCAAGAACAAACAAGATCCACTCTGTGTCTCAATATGATTGACCTTCTCA	2040
Db	2056	GATCCAGGGACCAAGAACAAACAAGATCCACTCTGTGTCTCAATATGATTGACCTTCTCA	2115
QY	2041	CGCAACACTCCAACACGAGACTTTCACATCAACTTCTCCGCTTTGCAACACCGTCACT	2100
Db	2116	CGCAACACTCCAACACGAGACTTTCACATCAACTTCTCCGCTTTGCAACACCGTCACT	2175
QY	2101	CTTGCTGGAGGGCCAGGTTTCACTTCCAAAGGTTGAAATCTTCACATCACTTAACTCTC	2160
Db	2176	CTTGCTGGAGGGCCAGGTTTCACTTCCAAAGGTTGAAATCTTCACATCACTTAACTCTC	2235
QY	2161	AGTCTCTGTGAAACACAGGGTACGAAAATGTCTGTGTGACACGACAAATGTCACTGACTC	2220
Db	2236	AGTCTCTGTGAAACACAGGGTACGAAAATGTCTGTGTGACACGACAAATGTCACTGACTC	2295
QY	2221	CGGATTTCTGAGGGTGAAGTACAGGGTCTCCAAATTTATACACAGCTAAGTCTTGCCAGGCA	2280
Db	2296	CGGATTTCTGAGGGTGAAGTACAGGGTCTCCAAATTTATACACAGCTAAGTCTTGCCAGGCA	2355
QY	2281	GTCATCATCCCCCCAGAGGTGACAGGCTACAAAGGCGGGGTTTCTCCACAGCTGTGACG	2340
Db	2356	GTCATCATCCCCCCAGAGGTGACAGGCTACAAAGGCGGGGTTTCTCCACAGCTGTGACG	2415
QY	2341	CTTGCTGATTCGACTTATTTAGGGGTGCAACAGATATGACTCTGATGGAATCACTCTCCCA	2400
Db	2416	CTTGCTGATTCGACTTATTTAGGGGTGCAACAGATATGACTCTGATGGAATCACTCTCCCA	2475
QY	2401	GCTGAACCTTTTCCACTGAGAGCTCTGGGAATACCGAGCGTGAATCTTTTATAGGCTC	2460
Db	2476	GCTGAACCTTTTCCACTGAGAGCTCTGGGAATACCGAGCGTGAATCTTTTATAGGCTC	2535
QY	2461	AATGATGTGACCCAGTCTCTGAGTCTTGGAAGATCAACCAACATCCGCTCAGGTGACGT	2520
Db	2536	AATGATGTGACCCAGTCTCTGAGTCTTGGAAGATCAACCAACATCCGCTCAGGTGACGT	2595
QY	2521	CCACAGAAATATGTCCTCCGAGAAATTTGTCGTCGACAGAAACGTGCTCAGAGGAACTGT	2580
Db	2596	CCACAGAAATATGTCCTCCGAGAAATTTGTCGTCGACAGAAACGTGCTCAGAGGAACTGT	2655
QY	2581	GATGAGCTTCAACTTCCACTTCTGTGGAGAGACGCGCTGCTGCGCTCTGTCTCAGTG	2640
Db	2656	GATGAGCTTCAACTTCCACTTCTGTGGAGAGACGCGCTGCTGCGCTCTGTCTCAGTG	2715
QY	2641	GCTGACTATCCATGCTATGCTCAGCAGCTGTGTGGGTGGGAATCCAGAAAGCTTACTTACGTG	2700
Db	2716	GCTGACTATCCATGCTATGCTCAGCAGCTGTGTGGGTGGGAATCCAGAAAGCTTACTTACGTG	2775
QY	2701	TGGCAGAGAACCAAGCTATGCTCTGAGTGGCAATTTCTGCGCTGACAGAGAGTCAACATC	2760
Db	2776	TGGCAGAGAACCAAGCTATGCTCTGAGTGGCAATTTCTGCGCTGACAGAGAGTCAACATC	2835
QY	2761	TGCAAACCAATGATTTTCTGCGTAAAGTGGGCACTCTGCAAGGCACTGTATCTGCCATC	2820

D	b		2896	TGCAAAACCATAGATTTCTGGCTAATAAGTGGGCATCTCTGCGACACTGTACTGCCATC	2895
O	y		2821	CTGCTCACCGTCCTTGACCCTGTAATTCTTTGGAAAAAGAATCAAACAATAGACTACAGATC	2880
D	b		2896	CTGCTCACCGTCCTTGACCCTGTAATTCTTTGGAAAAAGAATCAAACAATAGACTACAGATC	2955
O	y		2881	TCCAGACTGGTAGTAATGCTACTCTCAAGACTGTGAACCTGCCAGCAGCTGACAGCTGC	2940
D	b		2956	TCCAAGCTGGTAGTAATGCTACTCTCAAGACTGTGAACCTGCCAGCAGCTGACAGCTGC	3015
O	y		2941	GCCATCATGAAAGCGAGAGTAGTAGAGAACGACCTCATCTTTTACCAGCAGAA-TCACTC	2999
D	b		3016	GCCATCATGAAAGCGAGAGTAGTAGAGAACGACCTCATCTTTTACCAGCAGAA-GTCACTT	3075
O	y		3000	TTTGSGAAGATCAAAATCATTTACTCCAGAGAGACTOCTGATGATTTGACTCAGTCCG	3059
D	b		3076	TTTGSGAAGATCAAAATCATTTACTCCAGAGAGACTOCTGATGATTTGACTCAGTCCG	3135
O	y		3060	CTGAAGACATCTCTCAGAGGCGCCAGACATGAGACCTGTAGAGAGCACTGCTGCCTCACT	3119
D	b		3136	CTGAAGACATCTCTCAGAGGCGCCAGACATGAGACCTGTAGAGAGCACTGCTGCCTCACT	3195
O	y		3120	GCTCTCTCACTCTTGATAGACACTTTTGCAGACCTCGCGCATTTGGGTGCCAGATCTTG	3179
D	b		3196	GCTCTCTCACTCTTGATAGACACTTTTGCAGACCTCGCGCATTTGGGTGCCAGATCTTG	3255
O	y		3180	CACACCCACCTGCTGGAATCTCTTCATTTGAGCCTTATCAGATGTTGAATTCAGATC	3239
D	b		3256	CACACCCACCTGCTGGAATCTCTTCATTTGAGCCTTATCAGATGTTGAATTCAGATC	3315
O	y		3240	TTTTTTATVAGATGCCAAAACCTCTTCTGCTTGCTCAAACTGCCAAATPADC	3298
D	b		3316	TTTTTTATVAGATGCCAAAACCTCTTCTGCTTGCTCAAACTGCCAAATAPADCC	3375
O	y		3300	ACACTTGTGTTGTAATTTAAAAAAAAAAAAAAAAAAAAA	3334
D	b		3376	ACATTTTNTTTTAAAAAAAAAAAAAAAAAAAAA	3410
RESULT 14 US-10-127-900A-37 ; Sequence 37, Application US/10127900A ; Publication No. US20030203429A1 ; GENERAL INFORMATION: ; APPLICANT: Baker, Kevin P. ; APPLICANT: Beresini, Maureen ; APPLICANT: DeForge, Laura ; APPLICANT: Desnoyers, Luc ; APPLICANT: Filvaroff, Ellen ; APPLICANT: Gao, Mei-Qiang ; APPLICANT: Gettitsen, Mary E. ; APPLICANT: Goddard, Audrey ; APPLICANT: Godowski, Paul J. ; APPLICANT: Gurney, Austin L. ; APPLICANT: Sherwood, Steven ; APPLICANT: Smith, Victoria ; APPLICANT: Stewart, Timothy A. ; APPLICANT: Tumas, Daniel ; APPLICANT: Watanabe, Colin K ; APPLICANT: Wood, William ; APPLICANT: Zhang, Zhen ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ; FILE REFERENCE: P333ORIGS1 ; CURRENT FILING DATE: US/10/127,900A ; PRIOR APPLICATION NUMBER: 2002-10-15 ; PRIOR FILING DATE: 1997-06-18 ; PRIOR APPLICATION NUMBER: 60/056974 ; PRIOR FILING DATE: 1997-08-26 ; PRIOR APPLICATION NUMBER: 60/059113 ; PRIOR FILING DATE: 1997-09-17					

QY	661	TTTGAAGTTTTTCGTTCCAGATGACCAAGCTGCGCCAGCCCAATGCAAGTGAATCTCAAGTGGATG	720
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QY	721	AAGACCAACAGAAAGATGAGGAATTTCCAAGTGTGGAGCTAAATCGAGGCAATATGTC	780
Db	736	AAGACCAACAGAAAGATGAGGAATTTCCAAGTGTGGAGCTAAATCGAGGCAATATGTC	855
QY	781	CTTATTTGAGAAACCAAGCCTTTCAGTATGACCAAAAGTAAACCAAGCCTGTGTGTG	840
Db	856	CTTATTTGAGAAACCAAGCCTTTCAGTATGACCAAAAGTAAACCAAGCCTGTGTGTG	915
QY	841	AGAAACATTTGCATPACAGGGGTGGCCATCACTTCAGAAATCTTCCCTCGAAACCTGGC	900
Db	916	AGAAACATTTGCATPACAGGGGTGGCCATCACTTCAGAAATCTTCCCTCGAAACCTGGC	975
QY	901	ACGTATGCAGACAAAGCAGGCTCTCTTTCGTCAAACTTTGCCAGCCCACTTTATTTCA	960
Db	976	ACGTATGCAGACAAAGCAGGCTCTCTTTCGTCAAACTTTGCCAGCCCACTTTATTTCA	1035
QY	961	AATAAAGAGAACTTTTGGCCACAGTGAACCTTGACAAATCTCAGACAAAGATCT	1020
Db	1036	AATAAAGAGAACTTTTGGCCACAGTGAACCTTGACAAATCTCAGACAAAGATCT	1095
QY	1021	TCTTCCTTAAACGTGCGCCAGCTTTGCACAGACAAAGATTTATTTCTACACACAGGCG	1080
Db	1096	TCTTCCTTAAACGTGCGCCAGCTTTGCACAGACAAAGATTTATTTCTACACACAGGCG	1155
QY	1081	TGCGATGCCAACGAGAGACACAACTCATGTACAAATGGGCCAAGCCGAATCTGTATGC	1140
Db	1156	TGCGATGCCAACGAGAGACACAACTCATGTACAAATGGGCCAAGCCGAATCTGTATGC	1215
QY	1141	GAGGACCTTGAAGGGGAGTAGAAGCTGCGCTCCCTGTGTGTGAAGAACCCATGCGCCACC	1200
Db	1216	GAGGACCTTGAAGGGGAGTAGAAGCTGCGCTCCCTGTGTGTGAAGAACCCATGCGCCACC	1275
QY	1201	TGCAACCCAGGCTTTTCAAAACCAACAAACAGCACTTGCACAGCCTTGCCTCATGTGTC	1260
Db	1276	TGCAACCCAGGCTTTTCAAAACCAACAAACAGCACTTGCACAGCCTTGCCTCATGTGTC	1335
QY	1261	TACTCCAAATGGCTCAGACTGTACCCGCGCCCTGAGGAGCATGAACCTGCTGTGGATTT	1320
Db	1336	TACTCCAAATGGCTCAGACTGTACCCGCGCCCTGAGGAGCATGAACCTGCTGTGGATTT	1395
QY	1321	GAATCAAAATGGTGAACACGCTGCGCCAAACATGAAACGACCGCTTCTCAGTGGGATC	1380
Db	1396	GAATCAAAATGGTGAACACGCTGCGCCAAACATGAAACGACCGCTTCTCAGTGGGATC	1455
QY	1381	AACCTTCGAGTACAAAGGCAATGACAGGCTGGGAGAGTGGTGTGATTCACATTTACACACT	1440
Db	1456	AACCTTCGAGTACAAAGGCAATGACAGGCTGGGAGAGTGGTGTGATTCACATTTACACACT	1515
QY	1441	GCTGAGAGCTCAGACAAATGACTCTTCAATTTCTCACTCTGTGTGTGCCAGATTTAGACT	1500
Db	1516	GCTGAGAGCTCAGACAAATGACTCTTCAATTTCTCACTCTGTGTGTGCCAGATTTAGACT	1575
QY	1501	CCGCAAGTGGTGAATGGCAACACAGAGAAATAAGAGTGGCCAGAAATCACTTTGTCTTT	1560
Db	1576	CCGCAAGTGGTGAATGGCAACACAGAGAAATAAGAGTGGCCAGAAATCACTTTGTCTTT	1635
QY	1561	GAGAACCTCTGTTCTGTGAACGTGTAGGCTTACTTCATGTGTGGGTGAATTTTAGAGAC	1620
Db	1636	GAGAACCTCTGTTCTGTGAACGTGTAGGCTTACTTCATGTGTGGGTGAATTTTAGAGAC	1695
QY	1621	AACTCTCTGTGAGACGTGAAAGGTTCCAAAGGCAAAAGTCTTATATCTATCATCTT	1680
Db	1696	AACTCTCTGTGAGACGTGAAAGGTTCCAAAGGCAAAAGTCTTATATCTATCATCTT	1755
QY	1681	GAGAGGAACATACACAGAGGTTCACTGGGCTTCCAGAGAACCATTTTCAATAGAGCA	1740
Db	1756	GAGAGGAACATACACAGAGGTTCACTGGGCTTCCAGAGAACCATTTTCAATAGAGCA	1815

QY 1741 AGCAGAGATACACCAATGACGTTGCCAGATCTACTCATCATGTCACCAATGTTATG 1800  
DB 1816 AGCAGAGATACACCAATGACGTTGCCAGATCTACTCATCATGTCACCAATGTTATG 1875  
QY 1801 AATGGCGTGGCGCTTCTAATGCGGCTGTCCTGCTTAAAGCCTCTGATGCGGCTCTCC 1860  
DB 1876 AATGGCGTGGCGCTTCTAATGCGGCTGTCCTGCTTAAAGCCTCTGATGCGGCTCTCC 1935  
QY 1861 TGCACTCTTGCTGCTGCTTACTATATGACCGAATTCAGAAACCTCCACTCCTG 1920  
DB 1936 TGCACTCTTGCTGCTGCTTACTATATGACCGAATTCAGAAACCTCCACTCCTG 1995  
QY 1921 CCCCCTAACCAATTTCTGAAAGCCACAGCCTTATGCTGCAAGCCTGTCGCTGCT 1980  
DB 1996 CCCCCTAACCAATTTCTGAAAGCCACAGCCTTATGCTGCAAGCCTGTCGCTGCTG 2055  
QY 1981 GGTCACAGGACCAAGAACCAAGATCCACTCTGCTGCTAATGATGACCTCTCTCA 2040  
DB 2056 GGTCACAGGACCAAGAACCAAGATCCACTCTGCTGCTAATGATGACCTCTCTCA 2115  
QY 2041 CGCAACACTCCAACAGAGACTTTTCACTAATCTTCCGCTTGGCAACACCGTCACT 2100  
DB 2116 CGCAACACTCCAACAGAGACTTTTCACTAATCTTCCGCTTGGCAACACCGTCACT 2175  
QY 2101 CTTCCTGAGAGGCGCAAGCTTCACTTCCAAAGGCTGAAATACCTTCACTTACCTG 2160  
DB 2176 CTTCCTGAGAGGCGCAAGCTTCACTTCCAAAGGCTGAAATACCTTCACTTACCTG 2235  
QY 2161 AGTCTCTGAGAAACAGGCTAGGAAATGCTGCTGACCGACCAATGCTGACCTG 2220  
DB 2236 AGTCTCTGAGAAACAGGCTAGGAAATGCTGCTGACCGACCAATGCTGACCTG 2295  
QY 2221 CGGATTCCTGAGGCTGAGTCAAGGCTTCCAAATCTATCAAGCTTACCTGCTGCG 2280  
DB 2296 CGGATTCCTGAGGCTGAGTCAAGGCTTCCAAATCTATCAAGCTTACCTGCTGCG 2355  
QY 2281 GTCAATCATCCCCAGAGGTGACAGGCTACAAAGGCGGCTTCCCTCAAGCCTGTCAG 2340  
DB 2356 GTCAATCATCCCCAGAGGTGACAGGCTACAAAGGCGGCTTCCCTCAAGCCTGTCAG 2415  
QY 2341 CTTCCTGATGACTTATGCGGCTGACCAAGATATGCTCTGATGGAATCACCTCCCA 2400  
DB 2416 CTTCCTGATGACTTATGCGGCTGACCAAGATATGCTCTGATGGAATCACCTCCCA 2475  
QY 2401 GCTGAATCTTCCACCTGAGGCTGCTGAGGATACCGAGCTGATCTTTTATAGGCTC 2460  
DB 2476 GCTGAATCTTCCACCTGAGGCTGCTGAGGATACCGAGCTGATCTTTTATAGGCTC 2535  
QY 2461 AATGATGTGACCAAGCTCTGAGGCTGAGGATACCAACCAATCCGCTCAAGTCACT 2520  
DB 2536 AATGATGTGACCAAGCTCTGAGGCTGAGGATACCAACCAATCCGCTCAAGTCACT 2595  
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DB 2596 CCAACGAAACCTGCTCTGAGGATTTGCTCTCTGCTGCAAGACGCTGCTCAAGTCTG 2655  
QY 2581 GATGCTGCAACTTCCACTTCTGCTGAGGAGCGGCTCTGCTCCGCTCTGCTCACTG 2640  
DB 2656 GATGCTGCAACTTCCACTTCTGCTGAGGAGCGGCTCTGCTCCGCTCTGCTCACTG 2715  
QY 2641 GCTGACTACATGCTATGCTGACAGAGCTGCTGCTGAGGATCCAGAAAGCTACTACG 2700  
DB 2716 GCTGACTACATGCTATGCTGACAGAGCTGCTGCTGAGGATCCAGAAAGCTACTACG 2775  
QY 2701 TGGGAGAGACCCAGAGCTATGCTGCTGAGGACTTTCTCTGCTGAGGAGAGTCACTG 2760  
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QY 2761 TGCAGAAACCAATGATTTCTGCTGAAAGTGGGCAATCTGCTGAGGACCTGCTACG 2820  
DB 2836 TGCAGAAACCAATGATTTCTGCTGAAAGTGGGCAATCTGCTGAGGACCTGCTACG 2895  
QY 2821 CTGCTACCGCTTCTGACCTGCTACTTTGGAAAAAGATCAAAAACTAGAGTCAAGTAC 2880

DB 2896 CTGCTACCGCTTCTGACCTGCTACTTTTGGAAAAAGATCAAAAACCTAGAGTCAAGTAC 2955  
QY 2881 TCCAGAGCTGATGATGATGCTATCTCTCAAGAGCTGTCACCTGCGAGCTGACGCTGC 2940  
DB 2956 TCCAGAGCTGATGATGATGCTATCTCTCAAGAGCTGTCACCTGCGAGCTGACGCTGC 3015  
QY 2941 GCCATCATGAGAGGAGAGATGTAGAGACGACCTCATCTTTACAGAGAA-TCATC 2999  
DB 3016 GCCATCATGAGAGGAGAGATGTAGAGACGACCTCATCTTTACAGAGAA-TCATC 3075  
QY 3000 TTTGGAGAGATCAATTCATTTTACCTTCAAGAGACTCTGATGATTTGACTCACTGCG 3059  
DB 3076 TTTGGAGAGATCAATTCATTTTACCTTCAAGAGACTCTGATGATTTGACTCACTGCG 3135  
QY 3060 CTGAAGACATCTCTCAAGAGAGCCAGACATGAGACTGCTGAGAGGCACTGCTGCTCACT 3119  
DB 3136 CTGAAGACATCTCTCAAGAGAGCCAGACATGAGACTGCTGAGAGGCACTGCTGCTCACT 3195  
QY 3120 GCTCTCTCACTTGCATAGACACTTTTGAAGCTGCGGCGATTTGGGTGCGACATCCTG 3179  
DB 3196 GCTCTCTCACTTGCATAGACACTTTTGAAGCTGCGGCGATTTGGGTGCGACATCCTG 3255  
QY 3180 CAACACCACTGCTGAGAAATCTCTCATTTGCGCTTATGATGTTGAATTTGATC 3239  
DB 3256 CAACACCACTGCTGAGAAATCTCTCATTTGCGCTTATGATGTTGAATTTGATC 3315  
QY 3240 TTTTATAGAGTACCCAAACCTCTTCTGCTGCTGCTCAAACTGCAATATACCC 3299  
DB 3316 TTTTATAGAGTACCCAAACCTCTTCTGCTGCTGCTCAAACTGCAATATACCC 3375  
QY 3300 ACATCTTGTGTTAATTTAAAAA 3334  
DB 3376 ACATTTTAAAAA 3410

## RESULT 15

US-10-128-685A-17

Sequence 37, Application US/10128685A

Publication No. US20030203430A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Geriltsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P330R1C116

CURRENT APPLICATION NUMBER: US/10/128, 685A

PRIOR FILING DATE: 2002-04-23

PRIOR APPLICATION NUMBER: 60/049911

PRIOR FILING DATE: 1997-06-18

PRIOR APPLICATION NUMBER: 60/056974

PRIOR FILING DATE: 1997-08-26

PRIOR APPLICATION NUMBER: 60/059113

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059115

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059117

PRIOR FILING DATE: 1997-09-17





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OM protein - protein search, using sw model

Run on: June 18, 2004, 11:36:56 ; Search time 54 Seconds

(without alignments)  
5233.259 Million cell updates/sec

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Perfect score: 5506

Sequence: 1 MAEPGSHSLARVGRTER.....LGRSNLPPRLMLDTQCR 1001

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1163542 seqs, 262313646 residues

Total number of hits satisfying chosen parameters: 1163542

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	5506	100.0	1001	US-10-046-433-40	Sequence 40, Appl
2	5376	97.6	1013	US-10-177-293-484	Sequence 49, App
3	5376	97.6	1013	US-10-177-293-482	Sequence 49, App
4	5376	97.6	1013	US-10-144-198-26	Sequence 26, Appl
5	5341	97.0	1013	US-10-147-493-38	Sequence 38, Appl
6	5341	97.0	1013	US-10-145-127-38	Sequence 38, Appl
7	5341	97.0	1013	US-10-160-503-38	Sequence 38, Appl
8	5341	97.0	1013	US-10-143-118-38	Sequence 38, Appl
9	5341	97.0	1013	US-10-144-993-38	Sequence 38, Appl
10	5341	97.0	1013	US-10-158-787-38	Sequence 38, Appl
11	5341	97.0	1013	US-10-140-024-38	Sequence 38, Appl
12	5341	97.0	1013	US-10-140-808-38	Sequence 38, Appl
13	5341	97.0	1013	US-10-152-405-38	Sequence 38, Appl
14	5341	97.0	1013	US-10-127-852A-38	Sequence 38, Appl
15	5341	97.0	1013	US-10-127-900A-38	Sequence 38, Appl

16	5341	97.0	1013	12	US-10-128-685A-38	Sequence 38, Appl
17	5341	97.0	1013	12	US-10-131-820A-38	Sequence 38, Appl
18	5341	97.0	1013	12	US-10-142-886-38	Sequence 38, Appl
19	5341	97.0	1013	12	US-10-146-728-38	Sequence 38, Appl
20	5341	97.0	1013	12	US-10-146-786-38	Sequence 38, Appl
21	5341	97.0	1013	12	US-10-147-499-38	Sequence 38, Appl
22	5341	97.0	1013	12	US-10-157-798-38	Sequence 38, Appl
23	5341	97.0	1013	14	US-10-028-072-38	Sequence 38, Appl
24	5341	97.0	1013	14	US-10-121-049-38	Sequence 38, Appl
25	5341	97.0	1013	14	US-10-123-904-38	Sequence 38, Appl
26	5341	97.0	1013	14	US-10-140-470-38	Sequence 38, Appl
27	5341	97.0	1013	14	US-10-175-466-38	Sequence 38, Appl
28	5341	97.0	1013	14	US-10-176-918-38	Sequence 38, Appl
29	5341	97.0	1013	14	US-10-176-921-38	Sequence 38, Appl
30	5341	97.0	1013	14	US-10-137-665-38	Sequence 38, Appl
31	5341	97.0	1013	14	US-10-140-474-38	Sequence 38, Appl
32	5341	97.0	1013	14	US-10-142-431-38	Sequence 38, Appl
33	5341	97.0	1013	14	US-10-143-114-38	Sequence 38, Appl
34	5341	97.0	1013	14	US-10-140-002-38	Sequence 38, Appl
35	5341	97.0	1013	14	US-10-142-419-38	Sequence 38, Appl
36	5341	97.0	1013	14	US-10-123-262-38	Sequence 38, Appl
37	5341	97.0	1013	14	US-10-142-423-38	Sequence 38, Appl
38	5341	97.0	1013	14	US-10-121-050-38	Sequence 38, Appl
39	5341	97.0	1013	14	US-10-141-755-38	Sequence 38, Appl
40	5341	97.0	1013	14	US-10-143-032-38	Sequence 38, Appl
41	5341	97.0	1013	14	US-10-123-108-38	Sequence 38, Appl
42	5341	97.0	1013	14	US-10-123-336-38	Sequence 38, Appl
43	5341	97.0	1013	14	US-10-123-261-38	Sequence 38, Appl
44	5341	97.0	1013	14	US-10-140-921-38	Sequence 38, Appl
45	5341	97.0	1013	14	US-10-140-928-38	Sequence 38, Appl

## ALIGNMENTS

RESULT 1  
US-10-046-433-40  
Sequence 40, Application US/10046433  
Publication No. US20030092101A1  
GENERAL INFORMATION:  
APPLICANT: Human Genome Sciences, Inc.  
TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR13 and TR14  
FILE REFERENCE: PFS1191  
CURRENT APPLICATION NUMBER: US/10/046,433  
PRIOR FILING DATE: 2002-01-16  
PRIOR APPLICATION NUMBER: 60/261,960  
PRIOR FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 09/618,570  
PRIOR FILING DATE: 2000-07-14  
PRIOR APPLICATION NUMBER: 60/144,087  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 60/149,450  
PRIOR FILING DATE: 1999-07-18  
PRIOR APPLICATION NUMBER: 60/149,712  
PRIOR FILING DATE: 1999-08-20  
PRIOR APPLICATION NUMBER: 60/153,089  
PRIOR FILING DATE: 1999-09-10  
NUMBER OF SEQ ID NOS: 61  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 40  
LENGTH: 1001  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-046-433-40

Query Match 100.0% Score 5506; DB 14; Length 1001;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1001; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEPGSHSLARVGRTERIRPLMRLLLWAGTAFOVQTGTGPELHACKSEHYEYTA 60  
DB 1 MAEPGSHSLARVGRTERIRPLMRLLLWAGTAFOVQTGTGPELHACKSEHYEYTA 60

QY 61 CDSTGSRMRVAVPHRTGLCTSLPDPVKTEGCSFSCNAGFELMDKQSCKPCAEGRYSIGT 120  
 DB 61 CDSTGSRMRVAVPHRTGLCTSLPDPVKTEGCSFSCNAGFELMDKQSCKPCAEGRYSIGT 120  
 QY 121 G1RFDWDELPHGFASLSANMELDSDAESTGCTSSKVPYRGDYIAFNTDECTATLMA 180  
 DB 121 G1RFDWDELPHGFASLSANMELDSDAESTGCTSSKVPYRGDYIAFNTDECTATLMA 180  
 QY 181 VNLKSGTVNFEYYPDSIIFFEFYQNDQCPNADSRMKTTEKMEFHSVELNRGN 240  
 DB 181 VNLKSGTVNFEYYPDSIIFFEFYQNDQCPNADSRMKTTEKMEFHSVELNRGN 240  
 QY 241 VLYWRTTAFSVMTKVPKVLVRNIAITGAATSECFCKPGTYADKQSSFCCLCPANSY 300  
 DB 241 VLYWRTTAFSVMTKVPKVLVRNIAITGAATSECFCKPGTYADKQSSFCCLCPANSY 300  
 QY 301 SNKGTSCHQCDPDKYSEKSSSCNVPACTDXYFYTHTACDANGETOJMYKMAKPKIC 360  
 DB 301 SNKGTSCHQCDPDKYSEKSSSCNVPACTDXYFYTHTACDANGETOJMYKMAKPKIC 360  
 QY 361 SEDLEGAVKLPASGVKTHCPNCPNPFKTNNSSTQCPYGSYSNGSDCTRCPAETPAVG 420  
 DB 361 SEDLEGAVKLPASGVKTHCPNCPNPFKTNNSSTQCPYGSYSNGSDCTRCPAETPAVG 420  
 QY 421 FEYKMNWTLPTNMETTVLSGINEFYKMTGMEVAGDHIYTAAGASDNDMILLTVPGFR 480  
 DB 421 FEYKMNWTLPTNMETTVLSGINEFYKMTGMEVAGDHIYTAAGASDNDMILLTVPGFR 480  
 QY 481 PPOSVADTENKEVARITFEVETLCSNCELYPMGVNSRNTPVETWKSCKGOSYTYI 540  
 DB 481 PPOSVADTENKEVARITFEVETLCSNCELYPMGVNSRNTPVETWKSCKGOSYTYI 540  
 QY 541 IEENTTTSFTWAFORTTFHASKRYNDVAKIYSINVTVMNGVASYCPCLAEADVGS 600  
 DB 541 IEENTTTSFTWAFORTTFHASKRYNDVAKIYSINVTVMNGVASYCPCLAEADVGS 600  
 QY 601 SCTSCPAGYIIDRDSGTCSPNTILKAQPYGOVACVPCGPGTKNKHISLCYNDCTF 660  
 DB 601 SCTSCPAGYIIDRDSGTCSPNTILKAQPYGOVACVPCGPGTKNKHISLCYNDCTF 660  
 QY 661 SRNTPTRTFNYSALANTYTLTAGGSPFSKGLKTHHFTLSICNGQSKRMVCTDNVTD 720  
 DB 661 SRNTPTRTFNYSALANTYTLTAGGSPFSKGLKTHHFTLSICNGQSKRMVCTDNVTD 720  
 QY 721 LR1PEGSGSKSITAVCOAVIIPPEVTGYKAGVSSOPVSLADRLIGVTTMTLDDGITS 780  
 DB 721 LR1PEGSGSKSITAVCOAVIIPPEVTGYKAGVSSOPVSLADRLIGVTTMTLDDGITS 780  
 QY 781 PABLFHLESIGIDVIFFYRSNDVTOSSGSRSTIRVCSPOKTVPGSILLPGTCSDET 840  
 DB 781 PABLFHLESIGIDVIFFYRSNDVTOSSGSRSTIRVCSPOKTVPGSILLPGTCSDET 840  
 QY 841 CDGCFHFLWESAAACGLGVADYHATVSSCVAGIQCTYVWREPKLCSGGISLPEQRTY 900  
 DB 841 CDGCFHFLWESAAACGLGVADYHATVSSCVAGIQCTYVWREPKLCSGGISLPEQRTY 900  
 QY 901 ICKTIDFWLKVGSAGICTAILLTVLTCYFWKXOKLEYKYSXLVNNATLKDCDLPADS 960  
 DB 901 ICKTIDFWLKVGSAGICTAILLTVLTCYFWKXOKLEYKYSXLVNNATLKDCDLPADS 960  
 QY 961 CAIMEGEDVEDDLIFTSKNSLGRSNHLPRGLMLDTCOR 1001  
 DB 961 CAIMEGEDVEDDLIFTSKNSLGRSNHLPRGLMLDTCOR 1001

## RESULT 2

US-10-177-293-494  
 ; Sequence 494, Application US/10177293  
 ; Publication No. US20030124128A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lillie, James  
 ; APPLICANT: Glatz, Karen  
 ; APPLICANT: Zhao, Xumei

QY 1 MAEPGSHHLSARVGRTERRIPLMRLLMAGTAFQVTOGTGELHACKSESYHYEYTA 60  
 DB 1 MAEPGSHHLSARVGRTERRIPLMRLLMAGTAFQVTOGTGELHACKSESYHYEYTA 60  
 QY 61 CDSTGSRMRVAVPHRTGLCTSLPDPVKTEGCSFSCNAGFELMDKQSCKPCAEGRYSIGT 120  
 DB 61 CDSTGSRMRVAVPHRTGLCTSLPDPVKTEGCSFSCNAGFELMDKQSCKPCAEGRYSIGT 120  
 QY 121 G1RFDWDELPHGFASLSANMELDSDAESTGCTSSKVPYRGDYIAFNTDECTATLMA 180  
 DB 121 G1RFDWDELPHGFASLSANMELDSDAESTGCTSSKVPYRGDYIAFNTDECTATLMA 180  
 QY 181 VNLKSGTVNFEYYPDSIIFFEFYQNDQCPNADSRMKTTEKMEFHSVELNRGN 240  
 DB 181 VNLKSGTVNFEYYPDSIIFFEFYQNDQCPNADSRMKTTEKMEFHSVELNRGN 240  
 QY 241 VLYWRTTAFSVMTKVPKVLVRNIAITGAATSECFCKPGTYADKQSSFCCLCPANSY 300  
 DB 241 VLYWRTTAFSVMTKVPKVLVRNIAITGAATSECFCKPGTYADKQSSFCCLCPANSY 300  
 QY 301 SNKGTSCHQCDPDKYSEKSSSCNVPACTDXYFYTHTACDANGETOJMYKMAKPKIC 360  
 DB 301 SNKGTSCHQCDPDKYSEKSSSCNVPACTDXYFYTHTACDANGETOJMYKMAKPKIC 360  
 QY 361 SEDLEGAVKLPASGVKTHCPNCPNPFKTNNSSTQCPYGSYSNGSDCTRCPAETPAVG 420  
 DB 361 SEDLEGAVKLPASGVKTHCPNCPNPFKTNNSSTQCPYGSYSNGSDCTRCPAETPAVG 420  
 QY 421 FEYKMNWTLPTNMETTVLSGINEFYKMTGMEVAGDHIYTAAGASDNDMILLTVPGFR 480

US-10-177-293-494

Query Match 97.6%; Score 5376; DB 14; Length 1004;

Best Local Similarity 99.4%; Pred. No. 0; Matches 978; Conservative 1; Mismatches 5; Indels 0; Gaps 0;



Db 421 FEYKWMNTLPTNMETTVLGSINEFYKMTGWEVAGDHITAAASDNDFMILLTLVPGFR 480  
Qy 481 PPOSVADTENKEVARIITFEETLCSVNCHELYPMGVNSRTNTPVETWKSCKGOSYTYI 540  
Db 481 PPOSVADTENKEVARIITFEETLCSVNCHELYPMGVNSRTNTPVETWKSCKGOSYTYI 540  
Qy 541 IEENTTSFTWAFORTTFHEASRYNDVAKIYSINVTWVNGVASYCPALASDVGS 600  
Db 541 IEENTTSFTWAFORTTFHEASRYNDVAKIYSINVTWVNGVASYCPALASDVGS 600  
Qy 601 SCTSCPAGYIIDRDSGTCHSCPNTILKAHQPYQVACVPCGPGTKNNKHISLCYNDCTF 660  
Db 601 SCTSCPAGYIIDRDSGTCHSCPNTILKAHQPYQVACVPCGPGTKNNKHISLCYNDCTF 660  
Qy 661 SRNTPRTFNFNSALANTVTLAGSPSTSGKLYFHHFTLSLGNQGRMSVCTDNVTD 720  
Db 661 SRNTPRTFNFNSALANTVTLAGSPSTSGKLYFHHFTLSLGNQGRMSVCTDNVTD 720  
Qy 721 LRIPGSGFSKSIITAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780  
Db 721 LRIPGSGFSKSIITAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780  
Qy 781 PALFLHESLGIDVIFFYNSNDVTQSCSGSSTTRVCSPOKTPGSLILPGTSDGT 840  
Db 781 PALFLHESLGIDVIFFYNSNDVTQSCSGSSTTRVCSPOKTPGSLILPGTSDGT 840  
Qy 841 CDCNHFHLESAAACPLGCVADYHAISSCVAGIOKTTYVMBPXLCSGSIISLPORAT 900  
Db 841 CDCNHFHLESAAACPLGCVADYHAISSCVAGIOKTTYVMBPXLCSGSIISLPORAT 900  
Qy 901 ICTIDPWLKVGISAGCTAIIILTVLTCYFWKXNOKLEYKSKLVNNAATLKDCDLPADS 960  
Db 901 ICTIDPWLKVGISAGCTAIIILTVLTCYFWKXNOKLEYKSKLVNNAATLKDCDLPADS 960  
Qy 961 CAIMEGEDVEDDLIFTSKXNSLGR 984  
Db 961 CAIMEGEDVEDDLIFTSKXNSLGR 984

RESULT 3  
US-10-177-293-492  
; Sequence 492, Application US/10177293  
; Publication No. US20030124128A1  
; GENERAL INFORMATION:  
; APPLICANT: Lillie, James  
; APPLICANT: Glatz, Karen  
; APPLICANT: Zhao, Xumei  
; APPLICANT: Gannavarpu, Manjula  
; APPLICANT: Kamakar, Shubhangi  
; APPLICANT: Mertens, Maureen  
; APPLICANT: Myer, Vic  
; APPLICANT: Wang, Youzhen  
; APPLICANT: Xu, Yongyao  
; APPLICANT: Hoersch, Sebastian  
; APPLICANT: Monahan, John  
; APPLICANT: Meyers, Rachel E.  
; APPLICANT: Bast Jr., Robert C.  
; APPLICANT: Hortobagyi, Gabriel N.  
; APPLICANT: Pusztai, Lajos  
; APPLICANT: Meric, Funda  
; APPLICANT: Sahin, Aysegul  
; APPLICANT: Mills, Gordon B.  
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,  
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER  
; FILE REFERENCE: MEI-038  
; CURRENT APPLICATION NUMBER: US/10177,293  
; PRIOR FILING DATE: 2002-06-21  
; PRIOR APPLICATION NUMBER: US 60/299,887  
; PRIOR FILING DATE: 2001-06-21  
; PRIOR APPLICATION NUMBER: US 60/301,572  
; PRIOR FILING DATE: 2001-06-27  
; PRIOR APPLICATION NUMBER: US 60/306,501

; PRIOR FILING DATE: 2001-07-18  
; PRIOR APPLICATION NUMBER: US 60/325,002  
; PRIOR FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US 60/362,585  
; PRIOR FILING DATE: 2002-03-05  
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx  
; PRIOR FILING DATE: 2002-05-14  
; NUMBER OF SEQ ID NOS: 506  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 492  
; LENGTH: 1013  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-177-293-492

Query Match 97.6% Score 5376; DB 14; Length 1013;  
Best Local Similarity 99.4% Pred. No. 0; Mismatches 5; Indels 0; Gaps 0;  
Matches 978; Conservative 1;

Qy 1 MAEPGSHLSARVGRTERRIPLMLRLIWAAGTAFQYTGTEBELHACKSEHYEYTA 60  
Db 1 MAEPGSHLSARVGRTERRIPLMLRLIWAAGTAFQYTGTEBELHACKSEHYEYTA 60  
Qy 61 CDSTGSRKRVAVPHTPGLCTSLPDPYKGTESFGNAGEFLDMDOCKPCABGRYSIGT 120  
Db 61 CDSTGSRKRVAVPHTPGLCTSLPDPYKGTESFGNAGEFLDMDOCKPCABGRYSIGT 120  
Qy 61 CDSTGSRKRVAVPHTPGLCTSLPDPYKGTESFGNAGEFLDMDOCKPCABGRYSIGT 120  
Db 61 CDSTGSRKRVAVPHTPGLCTSLPDPYKGTESFGNAGEFLDMDOCKPCABGRYSIGT 120  
Qy 121 GIRFEMDELPHGFASLANMELDASAESTGNCSTSKFWPRGDYIAFNIDECTATMYA 180  
Db 121 GIRFEMDELPHGFASLANMELDASAESTGNCSTSKFWPRGDYIAFNIDECTATMYA 180  
Qy 181 VNLKSGTVNFBYYIPDSGIIPEFFVQNDQCPNADSRMKTTEKWEFHSVELNRGN 240  
Db 181 VNLKSGTVNFBYYIPDSGIIPEFFVQNDQCPNADSRMKTTEKWEFHSVELNRGN 240  
Qy 241 VLYWRTTAFSWTKVPKPVLRNIAITGVAATSECFPKPGTYADKQSSFCIKCPANSY 300  
Db 241 VLYWRTTAFSWTKVPKPVLRNIAITGVAATSECFPKPGTYADKQSSFCIKCPANSY 300  
Qy 301 SNKGTSCHQCDPDKYSEKSSGSSCNVPRACCTDKDYFYTHHACDANGETOLMYKAKPKIC 360  
Db 301 SNKGTSCHQCDPDKYSEKSSGSSCNVPRACCTDKDYFYTHHACDANGETOLMYKAKPKIC 360  
Qy 361 SEDLEGAVKLPAAGVKHCPCNPGFEFTNNSTOCPGYSYNSGSDCTRCPAGEPAPV 420  
Db 361 SEDLEGAVKLPAAGVKHCPCNPGFEFTNNSTOCPGYSYNSGSDCTRCPAGEPAPV 420  
Qy 421 FEYKWMNTLPTNMETTVLGSINEFYKMTGWEVAGDHITAAASDNDFMILLTLVPGFR 480  
Db 421 FEYKWMNTLPTNMETTVLGSINEFYKMTGWEVAGDHITAAASDNDFMILLTLVPGFR 480  
Qy 481 PPOSVADTENKEVARIITFEETLCSVNCHELYPMGVNSRTNTPVETWKSCKGOSYTYI 540  
Db 481 PPOSVADTENKEVARIITFEETLCSVNCHELYPMGVNSRTNTPVETWKSCKGOSYTYI 540  
Qy 541 IEENTTSFTWAFORTTFHEASRYNDVAKIYSINVTWVNGVASYCPALASDVGS 600  
Db 541 IEENTTSFTWAFORTTFHEASRYNDVAKIYSINVTWVNGVASYCPALASDVGS 600  
Qy 601 SCTSCPAGYIIDRDSGTCHSCPNTILKAHQPYQVACVPCGPGTKNNKHISLCYNDCTF 660  
Db 601 SCTSCPAGYIIDRDSGTCHSCPNTILKAHQPYQVACVPCGPGTKNNKHISLCYNDCTF 660  
Qy 661 SRNTPRTFNFNSALANTVTLAGSPSTSGKLYFHHFTLSLGNQGRMSVCTDNVTD 720  
Db 661 SRNTPRTFNFNSALANTVTLAGSPSTSGKLYFHHFTLSLGNQGRMSVCTDNVTD 720  
Qy 721 LRIPGSGFSKSIITAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780  
Db 721 LRIPGSGFSKSIITAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780  
Qy 781 PALFLHESLGIDVIFFYNSNDVTQSCSGSSTTRVCSPOKTPGSLILPGTSDGT 840  
Db 781 PALFLHESLGIDVIFFYNSNDVTQSCSGSSTTRVCSPOKTPGSLILPGTSDGT 840

Db 781 PAELFHELSIGIPVIFPRNSNDVTOSSGSRSTTRVRCSPQKTVPGSLLPCTCSGT 840  
 Qy 841 CDGCFHFLWESAAACPLCSVADYHAIVSSCVAGIOKTTYVMBEPLCSGGISLPEQRYT 900  
 Db 841 CDGCFHFLWESAAACPLCSVADYHAIVSSCVAGIOKTTYVMBEPLCSGGISLPEQRYT 900  
 Qy 901 ICKTIDFWLKVGISAGCTCTAIIITVLTCTYFWKKNQKLEKYSKLVNNAATLKDCDLPADS 960  
 Db 901 ICKTIDFWLKVGISAGCTCTAIIITVLTCTYFWKKNQKLEKYSKLVNNAATLKDCDLPADS 960  
 Qy 961 CAIMEGEDVEDDLIFTSKNSLGR 984  
 Db 961 CAIMEGEDVEDDLIFTSKNSLGR 984

RESULT 4  
 US-10-144-198-26  
 ; Sequence 26, Application US/10144198  
 ; Publication No. US20030219748A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Origene Technologies Inc  
 ; TITLE OF INVENTION: Regulated Prostate Cance Genes  
 ; FILE REFERENCE: 90 105 R1  
 ; CURRENT APPLICATION NUMBER: US/10/144,198  
 ; CURRENT FILING DATE: 2002-05-14  
 ; NUMBER OF SEQ ID NOS: 44  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 26  
 ; LENGTH: 1013  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-144-198-26

Query Match 97.6%; Score 5376; DB 15; Length 1013;  
 Best Local Similarity 99.4%; Pred. No. 0;  
 Matches 978; Conservative 1; Mismatches 5; Indels 0; Gaps 0;  
 Qy 1 MAEFGSHHLSARVGRTERIPRLWRLMAGTAVQTGTEPELHACKSEHYEYTA 60  
 Db 1 MAEFGSHHLSARVGRTERIPRLWRLMAGTAVQTGTEPELHACKSEHYEYTA 60  
 Qy 61 CDSTGSRWRAVPHTPCLSLPDPVYKGTCSFSCNAGEFLDKDSCRCPCAGRSLSGT 120  
 Db 61 CDSTGSRWRAVPHTPCLSLPDPVYKGTCSFSCNAGEFLDKDSCRCPCAGRSLSGT 120  
 Qy 121 GIRFDEWDELPHGFASISANMELDDSAABSTGCTSSKWPFRGDIATFNTDECTATLMTA 180  
 Db 121 GIRFDEWDELPHGFASISANMELDDSAABSTGCTSSKWPFRGDIATFNTDECTATLMTA 180  
 Qy 181 VNLKOSTVAFEYYPDSIIIEFFVQNDCCPNADDSRMKTEKGMEFHSYELNRGN 240  
 Db 181 VNLKOSTVAFEYYPDSIIIEFFVQNDCCPNADDSRMKTEKGMEFHSYELNRGN 240  
 Qy 241 VLWRTAFSVWTKVPVAVRNIAITGVAYTSECFPCCKGTADKQSSFCCLCPANFY 300  
 Db 241 VLWRTAFSVWTKVPVAVRNIAITGVAYTSECFPCCKGTADKQSSFCCLCPANFY 300  
 Qy 301 SNKGETSCHQCDPKYSEKSSSNVRPACTDKDYTHTACDANGETOLMYKMAKPKIC 360  
 Db 301 SNKGETSCHQCDPKYSEKSSSNVRPACTDKDYTHTACDANGETOLMYKMAKPKIC 360  
 Qy 361 SEDLEGAVKLPASGVKTHCPNCPGPFKTNNSFCQCPQSVSYNGSDCPCAPGTEPAAG 420  
 Db 361 SEDLEGAVKLPASGVKTHCPNCPGPFKTNNSFCQCPQSVSYNGSDCPCAPGTEPAAG 420  
 Qy 421 FEYKMNWTLPTNNETTVLSGINEYKGMTGWEVAGDHITTAAGASNDNFILTLVPGFR 480  
 Db 421 FEYKMNWTLPTNNETTVLSGINEYKGMTGWEVAGDHITTAAGASNDNFILTLVPGFR 480  
 Qy 481 PPOSVADTENKAVARTTFEFLCSVNCGLYFMVGVSNTNTPVETWGSKQKQSYTI 540  
 Db 481 PPOSVADTENKAVARTTFEFLCSVNCGLYFMVGVSNTNTPVETWGSKQKQSYTI 540

Qy 541 IEEVTTTSFTWAFORTTEHESRKYTNDVAKIYSINTNMNNGVASYCRPCALBASDVGS 600  
 Db 541 IEEVTTTSFTWAFORTTEHESRKYTNDVAKIYSINTNMNNGVASYCRPCALBASDVGS 600  
 Qy 601 SCTSCPAGYVIDROSGTCHSCPNTIILKAQOPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660  
 Db 601 SCTSCPAGYVIDROSGTCHSCPNTIILKAQOPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660  
 Qy 661 SRNTPTRTFNNYNSALANTVTLAGGSPFTSKGLYFHHFLLSLCNGNGRKMVSCTDNTVT 720  
 Db 661 SRNTPTRTFNNYNSALANTVTLAGGSPFTSKGLYFHHFLLSLCNGNGRKMVSCTDNTVT 720  
 Qy 721 LRIFEGESGFESKSTIAYVQCAVILPEVTVGKAGVSSQPVSLADRLIGVTTDMTLDGITS 780  
 Db 721 LRIFEGESGFESKSTIAYVQCAVILPEVTVGKAGVSSQPVSLADRLIGVTTDMTLDGITS 780  
 Qy 781 PAELFHELSIGIPVIFPRNSNDVTOSSGSRSTTRVRCSPQKTVPGSLLPCTCSGT 840  
 Db 781 PAELFHELSIGIPVIFPRNSNDVTOSSGSRSTTRVRCSPQKTVPGSLLPCTCSGT 840  
 Qy 841 CDGCFHFLWESAAACPLCSVADYHAIVSSCVAGIOKTTYVMBEPLCSGGISLPEQRYT 900  
 Db 841 CDGCFHFLWESAAACPLCSVADYHAIVSSCVAGIOKTTYVMBEPLCSGGISLPEQRYT 900  
 Qy 901 ICKTIDFWLKVGISAGCTCTAIIITVLTCTYFWKKNQKLEKYSKLVNNAATLKDCDLPADS 960  
 Db 901 ICKTIDFWLKVGISAGCTCTAIIITVLTCTYFWKKNQKLEKYSKLVNNAATLKDCDLPADS 960  
 Qy 961 CAIMEGEDVEDDLIFTSKNSLGR 984  
 Db 961 CAIMEGEDVEDDLIFTSKNSLGR 984

RESULT 5  
 US-10-147-493-38  
 ; Sequence 38, Application US/10147493  
 ; Publication No. US20040029217A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Beresini, Maureen  
 ; APPLICANT: Deforge, Laura  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Geo, Wei-Qiang  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Goddard, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Sherwood, Steven  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tamas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William  
 ; APPLICANT: Zhang, Zhenli  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3330R1C345  
 ; CURRENT APPLICATION NUMBER: US/10/147,493  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 550  
 ; SEQ ID NO 38  
 ; LENGTH: 1013  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 ; FEATURE:  
 ; NAME/KEY: unsure  
 ; LOCATION: 877, 882  
 ; OTHER INFORMATION: unknown amino acid  
 US-10-147-493-38

Query Match 97.0%; Score 5341; DB 12; Length 1013;

Best Local Similarity 99.0%; Pred. No. 0;  
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHLSARVGRTERIRIRLRLMLMAGTAQVOTGTPGLHACKESYHYEYTA 60  
DB 1 MAEPGSHLSARVGRTERIRIRLRLMLMAGTAQVOTGTPGLHACKESYHYEYTA 60  
QY 61 CDSTGRMRVAVPHTPGLCTSLPDPVKGTSCFSNCNAGEFLDMKDQSCPKCAEGRYSIGT 120  
DB 61 CDSTGRMRVAVPHTPGLCTSLPDPVKGTSCFSNCNAGEFLDMKDQSCPKCAEGRYSIGT 120  
QY 121 GIRFDEWDELPHGFASLSANMELDSDAESTGCTSSKWPVRDGYIAFTDECTATLMTYA 180  
DB 121 GIRFDEWDELPHGFASLSANMELDSDAESTGCTSSKWPVRDGYIAFTDECTATLMTYA 180  
QY 181 VNLKSGTVNFEYYPDSIIFFFPVONDQCPNADSRMKTTEKGEFHSVELNRGN 240  
DB 181 VNLKSGTVNFEYYPDSIIFFFPVONDQCPNADSRMKTTEKGEFHSVELNRGN 240  
QY 241 VLYWRTTASVMTKVPKPVLRNIAITGVAVTSECFPCPKGTADKQSSFCCLCPANSY 300  
DB 241 VLYWRTTASVMTKVPKPVLRNIAITGVAVTSECFPCPKGTADKQSSFCCLCPANSY 300  
QY 301 SNKGETSCHQCDPKYSEKSSSCNVRPACTDKDYFTHTACDANGETQLMYKAKPKIC 360  
DB 301 SNKGETSCHQCDPKYSEKSSSCNVRPACTDKDYFTHTACDANGETQLMYKAKPKIC 360  
QY 361 SEDLEGAVKLPASGVKTHCPNCPGFFKTNNSCTQCPYGSYNSGSDCTRCPAETPAVG 420  
DB 361 SEDLEGAVKLPASGVKTHCPNCPGFFKTNNSCTQCPYGSYNSGSDCTRCPAETPAVG 420  
QY 421 FEYKMNNTLPNTMETTVLSGINFERYKMGTEVAGDHIYTAAGASDNDPMILLTVVPGFR 480  
DB 421 FEYKMNNTLPNTMETTVLSGINFERYKMGTEVAGDHIYTAAGASDNDPMILLTVVPGFR 480  
QY 481 PROSVADENKENVATITFEFTLCSVNCLEFVAVGNRTNPNVTMGSGKOSYTYI 540  
DB 481 PROSVADENKENVATITFEFTLCSVNCLEFVAVGNRTNPNVTMGSGKOSYTYI 540  
QY 541 IEBNTTTSFTWAFORTTFHEASRKYNDVAKIYSINVTVNMGVASCPCALBASDVGS 600  
DB 541 IEBNTTTSFTWAFORTTFHEASRKYNDVAKIYSINVTVNMGVASCPCALBASDVGS 600  
QY 601 SCTSCAGAYIIDDSGCHSCPNTTILKAQPYGVAQVCGPGTKNNKIHSLCTVNDCTF 660  
DB 601 SCTSCAGAYIIDDSGCHSCPNTTILKAQPYGVAQVCGPGTKNNKIHSLCTVNDCTF 660  
QY 661 SRVTPRTFNYSALANTVTLGCPSTSKGLKFEHFTLSLCSNQGRKMSVCTDNVD 720  
DB 661 SRVTPRTFNYSALANTVTLGCPSTSKGLKFEHFTLSLCSNQGRKMSVCTDNVD 720  
QY 721 LRIPBESGFSKSTIAYVCOAVIIPBVTGYKAGVSOVPSIADRLIGYTTMTLDTGITS 780  
DB 721 LRIPBESGFSKSTIAYVCOAVIIPBVTGYKAGVSOVPSIADRLIGYTTMTLDTGITS 780  
QY 781 PALFPLHESIGIDVIFFYRSNDVTOSGSGRSTTIRVCSPOKTPVGSLLPGTCSDDT 840  
DB 781 PALFPLHESIGIDVIFFYRSNDVTOSGSGRSTTIRVCSPOKTPVGSLLPGTCSDDT 840  
QY 841 CDGCFHFLWESAAACPLCSVADYHAIVSSCVAGIOKTTYWBEPLCSGGISLPEQRYT 900  
DB 841 CDGCFHFLWESAAACPLCSVADYHAIVSSCVAGIOKTTYWBEPLCSGGISLPEQRYT 900  
QY 901 ICKTIDFPLKVGISAGICTAILTLVLCYFWKKNQCLEYKSKLVNNTLXKODLPAAS 960  
DB 901 ICKTIDFPLKVGISAGICTAILTLVLCYFWKKNQCLEYKSKLVNNTLXKODLPAAS 960  
QY 961 CAIMEGEDVEDDLIFTSKNSLGR 984  
DB 961 CAIMEGEDVEDDLIFTSKNSLGR 984

US-10-145-127-38  
; Sequence 38, Application US/10145127  
; Publication No. US20040033558A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C252  
; CURRENT FILING DATE: 2002-05-13  
; Prior Application removed - See File Wrapper or Palm  
; SEQ. ID NO. 38  
; LENGTH: 1013  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: 877, 882  
; OTHER INFORMATION: unknown amino acid  
US-10-145-127-38

Query Match 97.0%; Score 5341; DB 12; Length 1013;  
Best Local Similarity 99.0%; Pred. No. 0;  
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHLSARVGRTERIRIRLRLMLMAGTAQVOTGTPGLHACKESYHYEYTA 60  
DB 1 MAEPGSHLSARVGRTERIRIRLRLMLMAGTAQVOTGTPGLHACKESYHYEYTA 60  
QY 61 CDSTGRMRVAVPHTPGLCTSLPDPVKGTSCFSNCNAGEFLDMKDQSCPKCAEGRYSIGT 120  
DB 61 CDSTGRMRVAVPHTPGLCTSLPDPVKGTSCFSNCNAGEFLDMKDQSCPKCAEGRYSIGT 120  
QY 121 GIRFDEWDELPHGFASLSANMELDSDAESTGCTSSKWPVRDGYIAFTDECTATLMTYA 180  
DB 121 GIRFDEWDELPHGFASLSANMELDSDAESTGCTSSKWPVRDGYIAFTDECTATLMTYA 180  
QY 181 VNLKSGTVNFEYYPDSIIFFFPVONDQCPNADSRMKTTEKGEFHSVELNRGN 240  
DB 181 VNLKSGTVNFEYYPDSIIFFFPVONDQCPNADSRMKTTEKGEFHSVELNRGN 240  
QY 241 VLYWRTTASVMTKVPKPVLRNIAITGVAVTSECFPCPKGTADKQSSFCCLCPANSY 300  
DB 241 VLYWRTTASVMTKVPKPVLRNIAITGVAVTSECFPCPKGTADKQSSFCCLCPANSY 300  
QY 301 SNKGETSCHQCDPKYSEKSSSCNVRPACTDKDYFTHTACDANGETQLMYKAKPKIC 360  
DB 301 SNKGETSCHQCDPKYSEKSSSCNVRPACTDKDYFTHTACDANGETQLMYKAKPKIC 360  
QY 361 SEDLEGAVKLPASGVKTHCPNCPGFFKTNNSCTQCPYGSYNSGSDCTRCPAETPAVG 420  
DB 361 SEDLEGAVKLPASGVKTHCPNCPGFFKTNNSCTQCPYGSYNSGSDCTRCPAETPAVG 420  
QY 421 FEYKMNNTLPNTMETTVLSGINFERYKMGTEVAGDHIYTAAGASDNDPMILLTVVPGFR 480  
DB 421 FEYKMNNTLPNTMETTVLSGINFERYKMGTEVAGDHIYTAAGASDNDPMILLTVVPGFR 480

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QY 481 PPGSVADTENKVARITTFEETLCSVNCLELYPMGVNSRTNPVETWTKSGKOSYTYI 540
DB 481 PPGSVADTENKVARITTFEETLCSVNCLELYPMGVNSRTNPVETWTKSGKOSYTYI 540
QY 541 IEENTTSFTMAFORTFHEASRKYNDVAKIYSINVTVMNGVASYCRPCALEASDVGS 600
DB 541 IEENTTSFTMAFORTFHEASRKYNDVAKIYSINVTVMNGVASYCRPCALEASDVGS 600
QY 601 SCTSCPAGYIIDRDSGTCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660
DB 601 SCTSCPAGYIIDRDSGTCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660
QY 661 SRNTPRTFENYNSALANTVTLAGSPFTSKGLKYEHHFTLSLCSNGGRKMSVCTDNVTD 720
DB 661 SRNTPRTFENYNSALANTVTLAGSPFTSKGLKYEHHFTLSLCSNGGRKMSVCTDNVTD 720
QY 721 LRIPESGFSKSIITAVVCAVILPEVGTGYKAGVSSQPVSLADRLIGVTTMTLDDGITS 780
DB 721 LRIPESGFSKSIITAVVCAVILPEVGTGYKAGVSSQPVSLADRLIGVTTMTLDDGITS 780
QY 781 PAELFHESLGIDVIFPFRSNDVTOSCSGSRSTTRVRCSPKTYVPSLLPGTCSOGT 840
DB 781 PAELFHESLGIDVIFPFRSNDVTOSCSGSRSTTRVRCSPKTYVPSLLPGTCSOGT 840
QY 841 CDGCFHFLWESAACPLCSVADYHAIVSSCVAGIOKTTYVWREPKLCSGGISLPEGRVT 900
DB 841 CDGCFHFLWESAACPLCSVADYHAIVSSCVAGIOKTTYVWREPKLCSGGISLPEGRVT 900
QY 901 ICKTIDFWLKVGISAGCTAIIITVLTCTYFWKKNQKLEKYSKLVNATLKDCLPAAAS 960
DB 901 ICKTIDFWLKVGISAGCTAIIITVLTCTYFWKKNQKLEKYSKLVNATLKDCLPAAAS 960
QY 961 CAIMEGEDVEDDLIFTSKXHSIGR 984
DB 961 CAIMEGEDVEDDLIFTSKXHSIGR 984

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RESULT 7  
US-10-160-503-38  
Sequence 38, Application US/10160503  
Publication No. US2004003559A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: Deforge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Geriltsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P330301C446  
CURRENT APPLICATION NUMBER: US/10/160, 503  
CURRENT FILING DATE: 2002-05-30  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 38  
LENGTH: 1013  
TYPE: PRT  
ORGANISM: Homo Sapien  
FEATURE:  
NAME/KEY: unsure  
LOCATION: 877, 882

OTHER INFORMATION: unknown amino acid  
US-10-160-503-38

Query Match 97.0%; Score 5341; DB 12; Length 1013;  
Best Local Similarity 99.0%; Pred. No. 0;  
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

```

QY 1 MAEPGSHHSARRCRTERRIPRLMRLLMAGAFVYTOGTGPELHACKSESEHYEYTA 60
DB 1 MAEPGSHHSARRCRTERRIPRLMRLLMAGAFVYTOGTGPELHACKSESEHYEYTA 60
QY 61 CDSTGSRNRAVAVPHTPGLCTSLPDPVKGTECSRSCNAGEFLDKMDQSCXKACGRYSLGT 120
DB 61 CDSTGSRNRAVAVPHTPGLCTSLPDPVKGTECSRSCNAGEFLDKMDQSCXKACGRYSLGT 120
QY 121 GIRDEMDLPHGASISANWELDDSAESTGNTSKWYPRGDIYAFNTECATLMTYA 180
DB 121 GIRDEMDLPHGASISANWELDDSAESTGNTSKWYPRGDIYAFNTECATLMTYA 180
QY 181 VNLKQSGTVNFEYYPDSIIPEFFVQNDCCQPADDSRWKKTTEKGMFHSVELNNGN 240
DB 181 VNLKQSGTVNFEYYPDSIIPEFFVQNDCCQPADDSRWKKTTEKGMFHSVELNNGN 240
QY 241 VLYWRTAFSVWTVKVPVPLVRNIAITGVAYTSCFCKRGTYADKQSSFCMLCPANSY 300
DB 241 VLYWRTAFSVWTVKVPVPLVRNIAITGVAYTSCFCKRGTYADKQSSFCMLCPANSY 300
QY 301 SNKGETSCHODDPKXSEKSSCNVAPACTDMDYFTHACDANGETQLMYMAKPKIC 360
DB 301 SNKGETSCHODDPKXSEKSSCNVAPACTDMDYFTHACDANGETQLMYMAKPKIC 360
QY 361 SEDLEGAVKLPASGVKTHCPNCPNGFXTNNSTQCPQYSSNSGSCCTCPAGTEPANG 420
DB 361 SEDLEGAVKLPASGVKTHCPNCPNGFXTNNSTQCPQYSSNSGSCCTCPAGTEPANG 420
QY 421 FEYKMNNTLPNTMETTVLSGINFEYKMGTMGEVAGDHIYTAAGSDMDPILILVYVGR 480
DB 421 FEYKMNNTLPNTMETTVLSGINFEYKMGTMGEVAGDHIYTAAGSDMDPILILVYVGR 480
QY 481 PPGSVADTENKVARITTFEETLCSVNCLELYPMGVNSRTNPVETWTKSGKOSYTYI 540
DB 481 PPGSVADTENKVARITTFEETLCSVNCLELYPMGVNSRTNPVETWTKSGKOSYTYI 540
QY 541 IEENTTSFTMAFORTFHEASRKYNDVAKIYSINVTVMNGVASYCRPCALEASDVGS 600
DB 541 IEENTTSFTMAFORTFHEASRKYNDVAKIYSINVTVMNGVASYCRPCALEASDVGS 600
QY 601 SCTSCPAGYIIDRDSGTCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660
DB 601 SCTSCPAGYIIDRDSGTCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660
QY 661 SRNTPRTFENYNSALANTVTLAGSPFTSKGLKYEHHFTLSLCSNGGRKMSVCTDNVTD 720
DB 661 SRNTPRTFENYNSALANTVTLAGSPFTSKGLKYEHHFTLSLCSNGGRKMSVCTDNVTD 720
QY 721 LRIPESGFSKSIITAVVCAVILPEVGTGYKAGVSSQPVSLADRLIGVTTMTLDDGITS 780
DB 721 LRIPESGFSKSIITAVVCAVILPEVGTGYKAGVSSQPVSLADRLIGVTTMTLDDGITS 780
QY 781 PAELFHESLGIDVIFPFRSNDVTOSCSGSRSTTRVRCSPKTYVPSLLPGTCSOGT 840
DB 781 PAELFHESLGIDVIFPFRSNDVTOSCSGSRSTTRVRCSPKTYVPSLLPGTCSOGT 840
QY 841 CDGCFHFLWESAACPLCSVADYHAIVSSCVAGIOKTTYVWREPKLCSGGISLPEGRVT 900
DB 841 CDGCFHFLWESAACPLCSVADYHAIVSSCVAGIOKTTYVWREPKLCSGGISLPEGRVT 900
QY 901 ICKTIDFWLKVGISAGCTAIIITVLTCTYFWKKNQKLEKYSKLVNATLKDCLPAAAS 960
DB 901 ICKTIDFWLKVGISAGCTAIIITVLTCTYFWKKNQKLEKYSKLVNATLKDCLPAAAS 960
QY 961 CAIMEGEDVEDDLIFTSKXHSIGR 984
DB 961 CAIMEGEDVEDDLIFTSKXHSIGR 984

```

Db 961 CAIMEGEDVEDDLIFTSKSLFGK 984

## RESULT 8

US-10-143-118-38  
; Sequence 38, Application US/10143118  
; Publication No. US20040038335A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: Deforge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin J.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C228  
; CURRENT APPLICATION NUMBER: US/10/143,118  
; CURRENT FILING DATE: 2002-05-09  
; Prior Application removed - See Palm or File Wrapper  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 38  
; LENGTH: 1013  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: 877, 882  
; OTHER INFORMATION: unknown amino acid  
US-10-143-118-38

Query Match 97.0%; Score 5341; DB 12; Length 1013;  
Best Local Similarity 99.0%; Pred. No. 0;  
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;  
QY 1 MABPGSHLSAARVGRTERRRIRLWRLIMAGTAQVOTQGTGPELHACKESYHYEYTA 60  
Db 1 MABPGSHLSAARVGRTERRRIRLWRLIMAGTAQVOTQGTGPELHACKESYHYEYTA 60  
QY 61 CDBTGRMRYAVVHTTGLCTSLDPDKGTGECSSCNAGEFLMKDSCPCAEGRYSIGT 120  
Db 61 CDBTGRMRYAVVHTTGLCTSLDPDKGTGECSSCNAGEFLMKDSCPCAEGRYSIGT 120  
QY 61 CDBTGRMRYAVVHTTGLCTSLDPDKGTGECSSCNAGEFLMKDSCPCAEGRYSIGT 120  
Db 61 CDBTGRMRYAVVHTTGLCTSLDPDKGTGECSSCNAGEFLMKDSCPCAEGRYSIGT 120  
QY 121 GIRFDEWDELPHGFASLSANMELDGAASSTGNCSTSKWVPRDXYAFTIDECLATLMA 180  
Db 121 GIRFDEWDELPHGFASLSANMELDGAASSTGNCSTSKWVPRDXYAFTIDECLATLMA 180  
QY 121 GIRFDEWDELPHGFASLSANMELDGAASSTGNCSTSKWVPRDXYAFTIDECLATLMA 180  
Db 121 GIRFDEWDELPHGFASLSANMELDGAASSTGNCSTSKWVPRDXYAFTIDECLATLMA 180  
QY 181 VNLKSGTYNFEYIYEDSSIIFFEFVQNDCCPNADSRMKTKTEGWFHSEYLNKGN 240  
Db 181 VNLKSGTYNFEYIYEDSSIIFFEFVQNDCCPNADSRMKTKTEGWFHSEYLNKGN 240  
QY 181 VNLKSGTYNFEYIYEDSSIIFFEFVQNDCCPNADSRMKTKTEGWFHSEYLNKGN 240  
Db 181 VNLKSGTYNFEYIYEDSSIIFFEFVQNDCCPNADSRMKTKTEGWFHSEYLNKGN 240  
QY 241 VLYWRTTAFSVMTKPEVPLVRIATGVAYTSECPCKRGYADQSSFCCLCPANSY 300  
Db 241 VLYWRTTAFSVMTKPEVPLVRIATGVAYTSECPCKRGYADQSSFCCLCPANSY 300  
QY 301 SNKGETSCHOCDDPKYSSEKSSSCNRPACTDKDYTHYTHACDANGETOLMTKMAKPKIC 360  
Db 301 SNKGETSCHOCDDPKYSSEKSSSCNRPACTDKDYTHYTHACDANGETOLMTKMAKPKIC 360  
QY 301 SNKGETSCHOCDDPKYSSEKSSSCNRPACTDKDYTHYTHACDANGETOLMTKMAKPKIC 360  
Db 301 SNKGETSCHOCDDPKYSSEKSSSCNRPACTDKDYTHYTHACDANGETOLMTKMAKPKIC 360  
QY 361 SEDLEGVVKLPASGVKTHCPKCPNPGFPTKNNSTCQCPGYSYNGSDCTRCRPAETPAVG 420  
Db 361 SEDLEGVVKLPASGVKTHCPKCPNPGFPTKNNSTCQCPGYSYNGSDCTRCRPAETPAVG 420

QY 421 FEYKMNNTLPNNMETVLGGINFEYKMTGMEVAGDHIYTPAAGASNDPMILTLYVPGFR 480  
Db 421 FEYKMNNTLPNNMETVLGGINFEYKMTGMEVAGDHIYTPAAGASNDPMILTLYVPGFR 480  
QY 481 PPGVMAADTENKEVARITTPPELTCSVNCBELYFMVGNSTNTPVEFTWKSQKQSTYTI 540  
Db 481 PPGVMAADTENKEVARITTPPELTCSVNCBELYFMVGNSTNTPVEFTWKSQKQSTYTI 540  
QY 541 IEEHTTSTFWAFOPTFHEASRKYTNDAKIYSINVTNMGNGVASYCRPCALASDVGS 600  
Db 541 IEEHTTSTFWAFOPTFHEASRKYTNDAKIYSINVTNMGNGVASYCRPCALASDVGS 600  
QY 601 SCTSCPAGYIYDRDSGTCHSCPNTIILKAQPYGQAQVPCGPGTKNNKIHSICYNCTF 660  
Db 601 SCTSCPAGYIYDRDSGTCHSCPNTIILKAQPYGQAQVPCGPGTKNNKIHSICYNCTF 660  
QY 661 SRNPTPTFNNTFALANTVTLAAGBFTSGKLYFHHFTLSICGNGRMSVCTDVTD 720  
Db 661 SRNPTPTFNNTFALANTVTLAAGBFTSGKLYFHHFTLSICGNGRMSVCTDVTD 720  
QY 721 LRIPGEGSFGSKITAYVCAVILIPREVTGYKAGVSSQPVSLDRLGVTTDMTLDGITS 780  
Db 721 LRIPGEGSFGSKITAYVCAVILIPREVTGYKAGVSSQPVSLDRLGVTTDMTLDGITS 780  
QY 781 PAELFHLBSLGIPIVIFPYSNDVYQSCSGSRSTIRVCSPOKTVPGSLLPBTGSDGT 840  
Db 781 PAELFHLBSLGIPIVIFPYSNDVYQSCSGSRSTIRVCSPOKTVPGSLLPBTGSDGT 840  
QY 841 CDGCFHFLMESAAAPCLCSVADYHAIVSSCVAGIOKTTYWRBPKLCSGGISLPEQRYT 900  
Db 841 CDGCFHFLMESAAAPCLCSVADYHAIVSSCVAGIOKTTYWRBPKLCSGGISLPEQRYT 900  
QY 901 ICKTIDFWLKVGISAGICTAILTLVLTCTYFVKKNQKLEKYKSLVMAATLKDCCLPAADS 960  
Db 901 ICKTIDFWLKVGISAGICTAILTLVLTCTYFVKKNQKLEKYKSLVMAATLKDCCLPAADS 960  
QY 961 CAIMEGEDVEDDLIFTSKNSLGR 984  
Db 961 CAIMEGEDVEDDLIFTSKNSLGR 984

RESULT 9  
US-10-144-993-38  
; Sequence 38, Application US/10144993  
; Publication No. US20040038336A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: Deforge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Gurney, Austin J.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C261  
; CURRENT APPLICATION NUMBER: US/10/144,993  
; CURRENT FILING DATE: 2002-05-13  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 38  
; LENGTH: 1013

```

; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-144-993-38

```

Query Match	97.0%;	Score 5341;	DB 12;	Length 1013;
Best Local Similarity	99.0%;	Pred. No. 0;		
Matches 974;	Conservative	1;	Mismatches 9;	Indels 0;
			Gaps	0

Qy	MaRgShHLSaSVcRtRrIPLmRLlLMgIAfYQlOGtGELhACSEhEhYTA	60
Db	1 MaRgShHLSaSVcRtRrIPLmRLlLMgIAfYQlOGtGELhACSEhEhYTA	60
Qy	61 CDSfGSBRVAyVhTfGLCTSLpDYKGTGCSfSCNAgEPLDMQOSCKPCABGRSLGT	120
Db	61 CDSfGSBRVAyVhTfGLCTSLpDYKGTGCSfSCNAgEPLDMQOSCKPCABGRSLGT	120
Qy	121 GfPDEMDLpHGFaLSANMELDDBAESTNCtSSKwvRGYIAfPNDcATLMYA	180
Db	121 GfPDEMDLpHGFaLSANMELDDBAESTNCtSSKwvRGYIAfPNDcATLMYA	180
Qy	181 VnLKGSQTVNfEYyYpDSSlIfEPVQNDQCPNADSRMkKtTEKGEfHfSVELNRGN	240
Db	181 VnLKGSQTVNfEYyYpDSSlIfEPVQNDQCPNADSRMkKtTEKGEfHfSVELNRGN	240
Qy	241 VlwRtTASvMkvKvKpLVNlNlAItGAyTSBfCPKpGTyADKGSSEfCKLCPANsY	300
Db	241 VlwRtTASvMkvKvKpLVNlNlAItGAyTSBfCPKpGTyADKGSSEfCKLCPANsY	300
Qy	301 SNGkGTSCHQCPDkKSEKGSsSCNVRPACTKDfYfYhTACANgEToLmYKwAKpKIC	360
Db	301 SNGkGTSCHQCPDkKSEKGSsSCNVRPACTKDfYfYhTACANgEToLmYKwAKpKIC	360
Qy	361 SEdLgAVuKlPASGVtHCPcNpGfPKtNNSToCPcYGSySNGSOTCRCPAGTEPAVg	420
Db	361 SEdLgAVuKlPASGVtHCPcNpGfPKtNNSToCPcYGSySNGSOTCRCPAGTEPAVg	420
Qy	421 fEYKMMNtLPTNNETVLsGfNfEYKMGtMGwEVAADHLYTAAGSNDPMLTLVYgGF	480
Db	421 fEYKMMNtLPTNNETVLsGfNfEYKMGtMGwEVAADHLYTAAGSNDPMLTLVYgGF	480
Qy	481 PPOsVADtENKEVAIfTfVfETLCSVNCeLYfMVGNvSRNTpVEfTWKSGSKGOSTYI	540
Db	481 PPOsVADtENKEVAIfTfVfETLCSVNCeLYfMVGNvSRNTpVEfTWKSGSKGOSTYI	540
Qy	541 IBEhTtTSfTMAfORTfPHEASRKYtNDYAKYsINvTNvNwNGvASyCRPCALeASyVS	600
Db	541 IBEhTtTSfTMAfORTfPHEASRKYtNDYAKYsINvTNvNwNGvASyCRPCALeASyVS	600
Qy	601 SctSGPAGYIIdRDSGTCHSCPPNtILKAhOPyGvQACVPcGPtKNNKtHSLCYNDCTf	660
Db	601 SctSGPAGYIIdRDSGTCHSCPPNtILKAhOPyGvQACVPcGPtKNNKtHSLCYNDCTf	660
Qy	661 SNTpPRTfPVNfSALANTVtLAGBSPfSKLXfHHfTSLtLGNGGRMSvCTNDVtD	720
Db	661 SNTpPRTfPVNfSALANTVtLAGBSPfSKLXfHHfTSLtLGNGGRMSvCTNDVtD	720
Qy	721 LrIPeBSGfSKStAYvQAVIIPBEYtGYKAGvSQPvSLADRLtGVtTDMLDgITS	780
Db	721 LrIPeBSGfSKStAYvQAVIIPBEYtGYKAGvSQPvSLADRLtGVtTDMLDgITS	780
Qy	781 PAlLfHfLBSfGfIDVfFfYRSNDVtQSCSGASTtIRRCSPQKtVvGSLtLPGtSGDgI	840
Db	781 PAlLfHfLBSfGfIDVfFfYRSNDVtQSCSGASTtIRRCSPQKtVvGSLtLPGtSGDgI	840
Qy	841 CDBCNfHfPLMESAAAPCLCSvADYAIvSSCYAGfQKtTYvWBPfKtCSGSIslfPcORTY	900
Db	841 CDBCNfHfPLMESAAAPCLCSvADYAIvSSCYAGfQKtTYvWBPfKtCSGSIslfPcORTY	900
Qy	901 ICKtIDfMfLKVGIAGtCTAILlVtCYfPWKQKtEYKSKLWNApTLtKDCDLPAADS	960

Db	901	ICTTDFWLKVGSAQCTAIIILLYLTCTFWKRNQKLEFYKSKLVMAATLKDCDLPRAADS	966
Qy	961	CAIMGEDEVDDIIFTSKNHSLGR	984
Db	961	CAIMGEDEVDDIIFTSKSLFGK	984

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RESULT 10
US-10-158-787-38
: Sequence 38. Application US/10158787
: Publication No. US20040039164A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gueney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C49
TITLE OF INVENTION: ACIDS ENCODING THE SAME
CURRENT APPLICATION NUMBER: US/10/158,787
CURRENT FILING DATE: 2003-04-03
PRIORITY APPLICATION NUMBER: 60/043911
PRIORITY FILING DATE: 1997-06-18
PRIORITY APPLICATION NUMBER: 60/056974
PRIORITY FILING DATE: 1997-08-26
PRIORITY APPLICATION NUMBER: 60/059113
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059115
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059117
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059122
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059184
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059283
PRIORITY FILING DATE: 1997-09-18
PRIORITY APPLICATION NUMBER: 60/059352
PRIORITY FILING DATE: 1997-09-19
PRIORITY APPLICATION NUMBER: 60/059588
PRIORITY FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 38
LENGTH: 1013
TYPE: PRT
ORGANISM: Homo Sapien
FEATURE:
NAME/KEY: unsure
LOCATION: 877..882
OTHER INFORMATION: unknown amino acid
US-10-158-787-38

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Query Match      97.0%; Score 5341; DB 12; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps
CY      1 MARGSHSLDARVGRTERIPRLRLMLMGTAFOVVOGTGPELHACKESYEHYEYTA 60
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Mon Jun 21 10:18:02 2004

us-10-046-433-40.rapb

Page 9

DB 1 MAEPGSHHLSARVRERRRIRLRLMLLMAGTAFQVOTGPELHACKESSEHYEYTA 60  
QY 61 CDSGSRMRVAVPHRTGLCTSLPDPVKTEGCSFSCNAGEFLDMKQSCPKACBGRYSIGT 120  
DB 61 CDSGSRMRVAVPHRTGLCTSLPDPVKTEGCSFSCNAGEFLDMKQSCPKACBGRYSIGT 120  
QY 121 GIRFDEWDELPHGFASLSANMELDLSAESTGNCISKRVPRGDYIAENTDECTATLMYA 180  
DB 121 GIRFDEWDELPHGFASLSANMELDLSAESTGNCISKRVPRGDYIAENTDECTATLMYA 180  
QY 181 VMLKSGTNEFEYYPDSIIIEFFVQNDQCPNADSRMMKTTEKGEFHSVELNRGN 240  
DB 181 VMLKSGTNEFEYYPDSIIIEFFVQNDQCPNADSRMMKTTEKGEFHSVELNRGN 240  
QY 241 VLYMRTTAFSVWTKVPRVLRNIAITGVAITSECPCKPGTYADKQSSFCCLCPANSY 300  
DB 241 VLYMRTTAFSVWTKVPRVLRNIAITGVAITSECPCKPGTYADKQSSFCCLCPANSY 300  
QY 301 SNKGETSCHQCDPDKYSEKSSSCNRPACTDKDYFTHACDANGETOLMYKMAKPKIC 360  
DB 301 SNKGETSCHQCDPDKYSEKSSSCNRPACTDKDYFTHACDANGETOLMYKMAKPKIC 360  
QY 361 SEDLEGAVKLPASGVKTHCPPCNPGFFKTNNSCTQCPYGSYNSGSDCTRCRPAETPAVG 420  
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QY 421 FEYKMWNTLPTNMETTVLSGINFYKMGTEVAGDHIYTAAGASDNDPMILTLVVPGR 480  
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DB 541 ISENTTTSFTWAFORTTFEASRKTYNDVAKIYSINVTVMNGVASCYRCPALAEADVGS 600  
QY 601 SCISCPAGYIIDDSGCHSCPNITLKAHPYGVQACVPCGPGTKNNKHSCTYNDCTF 660  
DB 601 SCISCPAGYIIDDSGCHSCPNITLKAHPYGVQACVPCGPGTKNNKHSCTYNDCTF 660  
QY 661 SRKTPRTFMYNSALANTYTLTAGSPSTSKGLKYHFHFTLSLGNQGRMSYCTDNVD 720  
DB 661 SRKTPRTFMYNSALANTYTLTAGSPSTSKGLKYHFHFTLSLGNQGRMSYCTDNVD 720  
QY 721 LRIPBEGSGFSKSTIAYVQAVIIPREVTGYKAGVSQPVSLADRLIGYTTMTLDTGITS 780  
DB 721 LRIPBEGSGFSKSTIAYVQAVIIPREVTGYKAGVSQPVSLADRLIGYTTMTLDTGITS 780  
QY 781 PAELFHEISGIPDVIFFYRSNDVTOSSCSGRTTIRVCSPOKTPGSLILPGTCSDET 840  
DB 781 PAELFHEISGIPDVIFFYRSNDVTOSSCSGRTTIRVCSPOKTPGSLILPGTCSDET 840  
QY 841 CDGCFNFIHWSAACPCLCSVADYHAIVSSCVAGIQXTTYVWEPRKCSGGISLPEORYT 900  
DB 841 CDGCFNFIHWSAACPCLCSVADYHAIVSSCVAGIQXTTYVWEPRKCSGGISLPEORYT 900  
QY 901 ICTITIDWLVKVSAGCTALILTLVLTCTYFKKXOKLEYKSKLVNNAITLKDCLPAADS 960  
DB 901 ICTITIDWLVKVSAGCTALILTLVLTCTYFKKXOKLEYKSKLVNNAITLKDCLPAADS 960  
QY 961 CAIMEGEDVEDDLIFTSKXSLFGK 984  
DB 961 CAIMEGEDVEDDLIFTSKXSLFGK 984

APPLICANT: Beresini, Maureen  
APPLICANT: Deforge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Mei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Thomas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zhenli  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C69  
CURRENT FILING DATE: 2002-05-06  
Pilot Application removed - See Palm or File Wrapper  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 38  
LENGTH: 1013  
TYPE: PRT  
ORGANISM: Homo Sapien  
FEATURE:  
NAME/KEY: unsure  
LOCATION: 877, 882  
OTHER INFORMATION: unknown amino acid  
US-10-140-024-38  
Query Match 97.0%; Score 5341; DB 12; Length 1013;  
Best Local Similarity 99.0%; Pred. No. 0;  
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;  
DB 1 MAEPGSHHLSARVRERRRIRLRLMLLMAGTAFQVOTGPELHACKESSEHYEYTA 60  
QY 61 CDSGSRMRVAVPHRTGLCTSLPDPVKTEGCSFSCNAGEFLDMKQSCPKACBGRYSIGT 120  
DB 61 CDSGSRMRVAVPHRTGLCTSLPDPVKTEGCSFSCNAGEFLDMKQSCPKACBGRYSIGT 120  
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QY 301 SNKGETSCHQCDPDKYSEKSSSCNRPACTDKDYFTHACDANGETOLMYKMAKPKIC 360  
DB 301 SNKGETSCHQCDPDKYSEKSSSCNRPACTDKDYFTHACDANGETOLMYKMAKPKIC 360  
QY 361 SEDLEGAVKLPASGVKTHCPPCNPGFFKTNNSCTQCPYGSYNSGSDCTRCRPAETPAVG 420  
DB 361 SEDLEGAVKLPASGVKTHCPPCNPGFFKTNNSCTQCPYGSYNSGSDCTRCRPAETPAVG 420  
QY 421 FEYKMWNTLPTNMETTVLSGINFYKMGTEVAGDHIYTAAGASDNDPMILTLVVPGR 480  
DB 421 FEYKMWNTLPTNMETTVLSGINFYKMGTEVAGDHIYTAAGASDNDPMILTLVVPGR 480  
QY 481 PPOSVADTENKEVARITFEVETLCSVNCLEYFMVGNSTRNTPVETWKSCKGOSYTYI 540  
DB 481 PPOSVADTENKEVARITFEVETLCSVNCLEYFMVGNSTRNTPVETWKSCKGOSYTYI 540

QY 541 IEENTTSFTWAFORTTFHEASRKYNDVAKIYSINVTNVMGVASVCPALASDVGS 600  
DB 541 IEENTTSFTWAFORTTFHEASRKYNDVAKIYSINVTNVMGVASVCPALASDVGS 600  
QY 601 SCTSCPAGYIIDRDSGCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660  
DB 601 SCTSCPAGYIIDRDSGCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660  
QY 661 SRNPTFTFNYSALANTVTLTAGGSPFTSKGLKYPHFHTLSLGNQGRMSVCTDNVTD 720  
DB 661 SRNPTFTFNYSALANTVTLTAGGSPFTSKGLKYPHFHTLSLGNQGRMSVCTDNVTD 720  
QY 721 LRIPGSGSFSKSIITAYVCAVLIIPREVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780  
DB 721 LRIPGSGSFSKSIITAYVCAVLIIPREVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780  
QY 781 PAELFHLESIGIPDVIFFRNSNDVTOSCGSGRSTTRVRCSPKQTVPGSLLPGTCSGDT 840  
DB 781 PAELFHLESIGIPDVIFFRNSNDVTOSCGSGRSTTRVRCSPKQTVPGSLLPGTCSGDT 840  
QY 841 CDGCFHFLWESAACPLCSVADYHAIVSSCVAGIOKTTYVMREPULCSGGISLPEQRYT 900  
DB 841 CDGCFHFLWESAACPLCSVADYHAIVSSCVAGIOKTTYVMREPULCSGGISLPEQRYT 900  
QY 901 ICTTIDFWLKVGSAGCTAIIILTVLTCYFMKNQKLEYKSKLVNNATLKDCLDPAADS 960  
DB 901 ICTTIDFWLKVGSAGCTAIIILTVLTCYFMKNQKLEYKSKLVNNATLKDCLDPAADS 960  
QY 961 CAIMEGEDVEDDLIFTSKHSLSGR 984  
DB 961 CAIMEGEDVEDDLIFTSKHSLSGR 984

## RESULT 12

US-10-140-808-38  
; Sequence 38, Application US/10140808  
; Publication No. US20030017563A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Geritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Wood, William K  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3330R1C182  
; CURRENT APPLICATION NUMBER: US/10/140,808  
; PRIOR FILING DATE: 2002-05-07  
; PRIOR APPLICATION removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 38  
; LENGTH: 1013  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: 877, 882  
; OTHER INFORMATION: unknown amino acid  
US-10-140-808-38

Query Match

97.0%; Score 5341; DB 12; Length 1013;

Best Local Similarity 99.0%; Pred. No. 0;  
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPCHSHLSARRGRTERRIPRLMRLIMAGTAFQVOTGTEGLACKSESEHYEYTA 60  
DB 1 MAEPCHSHLSARRGRTERRIPRLMRLIMAGTAFQVOTGTEGLACKSESEHYEYTA 60  
QY 61 CDSTGSRWVAVPHTPGLCTSLPDPVKGTGCSFSCNAGEFLDMKQSCKCPAEGRYSLGT 120  
DB 61 CDSTGSRWVAVPHTPGLCTSLPDPVKGTGCSFSCNAGEFLDMKQSCKCPAEGRYSLGT 120  
QY 121 GIREDEWELPHGPAISANVELDSDAESTNGCTSSKWPGRGYTAIPNIDECATLMTYA 180  
DB 121 GIREDEWELPHGPAISANVELDSDAESTNGCTSSKWPGRGYTAIPNIDECATLMTYA 180  
QY 181 VNLKQSGTVNPEYYIPDSIIIEFFVQNDQCPNADDSRMWKTTEKGMBSHYELNNGN 240  
DB 181 VNLKQSGTVNPEYYIPDSIIIEFFVQNDQCPNADDSRMWKTTEKGMBSHYELNNGN 240  
QY 241 VLYWRTTAFSVTWKVPKPVLYRNIAITGVAYTSCFCECKGTADKQGSFCKLCPANSTY 300  
DB 241 VLYWRTTAFSVTWKVPKPVLYRNIAITGVAYTSCFCECKGTADKQGSFCKLCPANSTY 300  
QY 301 SNKGETSCHQCDPKYSEKSSCNVAPACTDKDYFTHTACDANGETQLMYKAKEXIC 360  
DB 301 SNKGETSCHQCDPKYSEKSSCNVAPACTDKDYFTHTACDANGETQLMYKAKEXIC 360  
QY 361 SEDLEGAVKLPASGVKTHCPNCPNPFKTNSTQCPQPSYSNGSCTRCPCAGTEPAVG 420  
DB 361 SEDLEGAVKLPASGVKTHCPNCPNPFKTNSTQCPQPSYSNGSCTRCPCAGTEPAVG 420  
QY 421 FEYKMNNTLPNNMETTVLSGINFEYKMTGMEVAGDHITTAAGASDNDPMILTLVYGF 480  
DB 421 FEYKMNNTLPNNMETTVLSGINFEYKMTGMEVAGDHITTAAGASDNDPMILTLVYGF 480  
QY 481 PPGSVADTENKEVARITFVFEITLCSVNCELYFMVNGSFTNTPVETKCSKQKOSTYI 540  
DB 481 PPGSVADTENKEVARITFVFEITLCSVNCELYFMVNGSFTNTPVETKCSKQKOSTYI 540  
QY 541 IEENTTSFTWAFORTTFHEASRKYNDVAKIYSINVTNVMGVASVCPALASDVGS 600  
DB 541 IEENTTSFTWAFORTTFHEASRKYNDVAKIYSINVTNVMGVASVCPALASDVGS 600  
QY 601 SCTSCPAGYIIDRDSGCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660  
DB 601 SCTSCPAGYIIDRDSGCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660  
QY 661 SRNPTFTFNYSALANTVTLTAGGSPFTSKGLKYPHFHTLSLGNQGRMSVCTDNVTD 720  
DB 661 SRNPTFTFNYSALANTVTLTAGGSPFTSKGLKYPHFHTLSLGNQGRMSVCTDNVTD 720  
QY 721 LRIPGSGSFSKSIITAYVCAVLIIPREVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780  
DB 721 LRIPGSGSFSKSIITAYVCAVLIIPREVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780  
QY 781 PAELFHLESIGIPDVIFFRNSNDVTOSCGSGRSTTRVRCSPKQTVPGSLLPGTCSGDT 840  
DB 781 PAELFHLESIGIPDVIFFRNSNDVTOSCGSGRSTTRVRCSPKQTVPGSLLPGTCSGDT 840  
QY 841 CDGCFHFLWESAACPLCSVADYHAIVSSCVAGIOKTTYVMREPULCSGGISLPEQRYT 900  
DB 841 CDGCFHFLWESAACPLCSVADYHAIVSSCVAGIOKTTYVMREPULCSGGISLPEQRYT 900  
QY 901 ICTTIDFWLKVGSAGCTAIIILTVLTCYFMKNQKLEYKSKLVNNATLKDCLDPAADS 960  
DB 901 ICTTIDFWLKVGSAGCTAIIILTVLTCYFMKNQKLEYKSKLVNNATLKDCLDPAADS 960  
QY 961 CAIMEGEDVEDDLIFTSKHSLSGR 984  
DB 961 CAIMEGEDVEDDLIFTSKHSLSGR 984

RESULT 13



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us-10-046-433-40.rapb

Page 11

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US-10-152-405-38
; Sequence 38, Application US/10152405
; Publication No. US20030211571A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Collin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C383
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: US/10/152,405
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-152-405-38

Query Match          97.0%; Score 5341; DB 12; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHHLSARVRGRTERRIRPLRMFLMLMAGTAFQVQGPPELHACKESFYHYEYTA 60
DB 1 MAEPGSHHLSARVRRTERRIRPLRMFLMLMAGTAFQVQGPPELHACKESFYHYEYTA 60
QY 61 CDSTGSRMRYAVPHPTGLCTSLPDPYKGTESCFSCNAGEFLDMKQSCKPCAEGRYSLGT 120
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QY 121 GTRFDEWDELPHGFASISANMELDDSAESTGCTSSKVPREDYIAFNTDECTATLMTA 180
DB 121 GTRFDEWDELPHGFASISANMELDDSAESTGCTSSKVPREDYIAFNTDECTATLMTA 180
QY 181 VNLKQSGTVAFYYYPSSIIFFEFVQNDCCQPNADDSRMKTKTEKGEWHEFHSYELNRGN 240
DB 181 VNLKQSGTVAFYYYPSSIIFFEFVQNDCCQPNADDSRMKTKTEKGEWHEFHSYELNRGN 240
QY 241 VLYWRTAFSVWTKVPEKPVIVENIAITGVAVTSECPCKPGIYADQGSFCKLCPANST 300
DB 241 VLYWRTAFSVWTKVPEKPVIVENIAITGVAVTSECPCKPGIYADQGSFCKLCPANST 300
QY 301 SNKGESCHQCDPKXSEKSSSCNVPACTDDYFTHACANGETO,MYMAKPKIC 360
DB 301 SNKGESCHQCDPKXSEKSSSCNVPACTDDYFTHACANGETO,MYMAKPKIC 360
QY 361 SEDLEGAVKLPASGVKTHCPKCPNPGFKTNNSTCQPCPYGSYNGSDCTRCPAETPAVG 420
DB 361 SEDLEGAVKLPASGVKTHCPKCPNPGFKTNNSTCQPCPYGSYNGSDCTRCPAETPAVG 420
QY 421 FEYKMWNTLPTNNETTLGSGINFEYKMTGMEVAGDHITAAASNDNFMLTLVYVPGFR 480
DB 421 FEYKMWNTLPTNNETTLGSGINFEYKMTGMEVAGDHITAAASNDNFMLTLVYVPGFR 480
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QY 481 PPGSMADTENKEVARIITFEETLCSYNCELYFMWGVNSRNTPEVTWKS KQKQSYTYI 540
DB 481 PPGSMADTENKEVARIITFEETLCSYNCELYFMWGVNSRNTPEVTWKS KQKQSYTYI 540
QY 541 IENNTTSFTWAFORTTFHEASRKYNDVAKIYSINTNWNAGVASCPRPALASDVGS 600
DB 541 IENNTTSFTWAFORTTFHEASRKYNDVAKIYSINTNWNAGVASCPRPALASDVGS 600
QY 601 SCTSCPGAGYIDRSGTCHSCPNTILKAHPYGVQACVPCPGPSTKXNKIHSICYNDCF 660
DB 601 SCTSCPGAGYIDRSGTCHSCPNTILKAHPYGVQACVPCPGPSTKXNKIHSICYNDCF 660
QY 661 SRNTPTRTFNYPFALANTVTLAAGPSFTSKGLRYFHHFTLSLGNQGRKXSVCTDNVTD 720
DB 661 SRNTPTRTFNYPFALANTVTLAAGPSFTSKGLRYFHHFTLSLGNQGRKXSVCTDNVTD 720
QY 721 LRIPGSGESKSTIYAVYQCAVILPEVYTGKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
DB 721 LRIPGSGESKSTIYAVYQCAVILPEVYTGKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
QY 781 PAELFHLESLSGIPVIFPYRSDVYQSCSSGRSTTIRVRCSPQKTVPGSLLPPTGSDGT 840
DB 781 PAELFHLESLSGIPVIFPYRSDVYQSCSSGRSTTIRVRCSPQKTVPGSLLPPTGSDGT 840
QY 841 CDGCFHFHLMESAAACPLCSYADYHAIVSVCVAGIQKTTYWREPKICSGGISLPEQRVT 900
DB 841 CDGCFHFHLMESAAACPLCSYADYHAIVSVCVAGIQKTTYWREPKICSGGISLPEQRVT 900
QY 901 ICKTIDFPLKXGISAGTATALLTVLFCYFKKQKQKLEYKSKYMNATLDCDLPADS 960
DB 901 ICKTIDFPLKXGISAGTATALLTVLFCYFKKQKQKLEYKSKYMNATLDCDLPADS 960
QY 961 CAIMEGEDVEDDLIFTSKXNSLGR 984
DB 961 CAIMEGEDVEDDLIFTSKXNSLFGK 984

RESULT 14
US-10-127-852A-38
; Sequence 38, Application US/10127852A
; Publication No. US20030203428A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Collin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C38
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US/10/127,852A
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
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PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059184  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059588  
PRIOR FILING DATE: 1997-09-19  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 38  
LENGTH: 1013  
TYPE: PRT  
ORGANISM: Homo Sapien  
FEATURE:  
NAME/KEY: unsure  
LOCATION: 877, 882  
OTHER INFORMATION: unknown amino acid  
US-10-127-852A-38

Query Match 97.0%; Score 5341; DB 12; Length 1013;  
Best Local Similarity 99.0%; Pred. No. 0;  
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGHHHSARVGRTERIRIPRLMLMAGTAQVYGTGPELHACKESYHNEYA 60  
DB 1 MAEPGHHHSARVGRTERIRIPRLMLMAGTAQVYGTGPELHACKESYHNEYA 60  
QY 61 CDSTGSRWRAVAPHTGCLCTSLDPVYKTECSFSCNAGEFLDKDSCPKCAEGRYSLGT 120  
DB 61 CDSTGSRWRAVAPHTGCLCTSLDPVYKTECSFSCNAGEFLDKDSCPKCAEGRYSLGT 120  
QY 121 GTFDEWDELPHGPASISANMELDDSAESTGCTSSKVPREGDYIAVNTDECTATLMA 180  
DB 121 GTFDEWDELPHGPASISANMELDDSAESTGCTSSKVPREGDYIAVNTDECTATLMA 180  
QY 181 VNKQSGTVNFEYYPSSIIFFEFVQNDCCPNADSSMMKTEGMEFHSVELNRGN 240  
DB 181 VNKQSGTVNFEYYPSSIIFFEFVQNDCCPNADSSMMKTEGMEFHSVELNRGN 240  
QY 241 VLYWRTTAFSVMTKVPKPVLRNIAITGVAITSECFPGYADKQSSFCPLCPANSY 300  
DB 241 VLYWRTTAFSVMTKVPKPVLRNIAITGVAITSECFPGYADKQSSFCPLCPANSY 300  
QY 301 SNKGTSCHOCDDPKTSEKSSSCNVRPACTDXYTYTTACDANGETQLMKMAKPKIC 360  
DB 301 SNKGTSCHOCDDPKTSEKSSSCNVRPACTDXYTYTTACDANGETQLMKMAKPKIC 360  
QY 361 SEDLEGAVKLPAAGVTKHCPNPGFCKTNNSTQCPQYGSYNSGSDCTRCAGTEPAVG 420  
DB 361 SEDLEGAVKLPAAGVTKHCPNPGFCKTNNSTQCPQYGSYNSGSDCTRCAGTEPAVG 420  
QY 421 FEKKWNTLPTNNETTVLSGINFYKGMGMEVAGSHITTAAGASINDMILLVYVGR 480  
DB 421 FEKKWNTLPTNNETTVLSGINFYKGMGMEVAGSHITTAAGASINDMILLVYVGR 480  
QY 481 PPGSVADTENEKVARITFEFELGVCNCELYFMVGNRINTPVYTWGSKGKOSYTI 540  
DB 481 PPGSVADTENEKVARITFEFELGVCNCELYFMVGNRINTPVYTWGSKGKOSYTI 540  
QY 541 IENNTTSTFWAFORTTFHEASRKYNDVAKIYSINVTVMNGVASVYCPCALIASDVGS 600  
DB 541 IENNTTSTFWAFORTTFHEASRKYNDVAKIYSINVTVMNGVASVYCPCALIASDVGS 600  
QY 601 SCSCPAGYIYIDDSGCHSCPNTLLKAGPYGACVPCGGGTNNKHISLCVNDGCF 660  
DB 601 SCSCPAGYIYIDDSGCHSCPNTLLKAGPYGACVPCGGGTNNKHISLCVNDGCF 660  
QY 661 SRNTPRTNINYSALANTVTTLAGGSPFTSGKLKYPHFTLLSCGNQGRKMSVCTDNVTD 720  
DB 661 SRNTPRTNINYSALANTVTTLAGGSPFTSGKLKYPHFTLLSCGNQGRKMSVCTDNVTD 720

DB 661 SRNTPRTNINYSALANTVTTLAGGSPFTSGKLKYPHFTLLSCGNQGRKMSVCTDNVTD 720  
QY 721 LRIPEGSEFSGKSTIYAYVQAVIIPEVYGYKAVSSQPVSLADRLIGVTTDMTLDIGTS 780  
DB 721 LRIPEGSEFSGKSTIYAYVQAVIIPEVYGYKAVSSQPVSLADRLIGVTTDMTLDIGTS 780  
QY 781 PAELPHLESIGIPVIFPRYNDVYQSCSSGRSTIIVRCSPOKTVGSLLPETGSDGT 840  
DB 781 PAELPHLESIGIPVIFPRYNDVYQSCSSGRSTIIVRCSPOKTVGSLLPETGSDGT 840  
QY 841 CDGCFHFLWESAAACPLCSVADYHAIVSCVAGIQKTTYVWREPKLCSGGISLPEGRVT 900  
DB 841 CDGCFHFLWESAAACPLCSVADYHAIVSCVAGIQKTTYVWREPKLCSGGISLPEGRVT 900  
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DB 901 ICKTIDFWLKXGISAGCTATLLTVLTCYFKKXQKLEKYSKLVNMAATLKDCLPADS 960  
QY 961 CAIMEGEVDEDDLIFTSKNSLGR 984  
DB 961 CAIMEGEVDEDDLIFTSKNSLFGK 984

RESULT 15  
US-10-127-900A-38  
Sequence 38, Application US/10127900A  
Publication No. US20030203429A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerriksen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowsky, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tamas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P333081C81  
CURRENT APPLICATION NUMBER: US/10/127, 900A  
CURRENT FILING DATE: 2002-10-15  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059164  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059588  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 550

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; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-127-900A-38

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Query Match      97.0%; Score 5341; DB 12; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

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QY 1 MAEPGSHLSAARVGRTERRIPLRLRLIMAGTAQVOTGPELHACKSESEHYEYTA 60
DB 1 MAEPGSHLSAARVGRTERRIPLRLRLIMAGTAQVOTGPELHACKSESEHYEYTA 60
QY 61 CDSTGSRMRAVAVHTPGLCTSLPDYKGTESCSFNAGEFLDMKQSCKPCAEGRYSLGT 120
DB 61 CDSTGSRMRAVAVHTPGLCTSLPDYKGTESCSFNAGEFLDMKQSCKPCAEGRYSLGT 120
QY 121 GIRFDEWDELPHGFASLSANMELDLSAESTGCTSSKWPARGDYIAFNTDECTATLMYA 180
DB 121 GIRFDEWDELPHGFASLSANMELDLSAESTGCTSSKWPARGDYIAFNTDECTATLMYA 180
QY 181 VNLKSGTNEEYYPDSIIIEFFVQNDCCPNADSRMKTTEKGEFHSVELNRGN 240
DB 181 VNLKSGTNEEYYPDSIIIEFFVQNDCCPNADSRMKTTEKGEFHSVELNRGN 240
QY 241 VLYMRTTASVMTKVPKPVLYRNIAITGVAITSECPCKPGTYADKQSSFCCLCPANSY 300
DB 241 VLYMRTTASVMTKVPKPVLYRNIAITGVAITSECPCKPGTYADKQSSFCCLCPANSY 300
QY 301 SNKGETSCHQCDPDKSEKSSCNRPACTDKDYFTHTACDANGETOLMYKMAKPKIC 360
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QY 361 SEDLEGAVLPAAGVATHCPNCPGFFKTNNSCTCPYGSYNSGSDCTRCRPAETEPAVG 420
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QY 421 FEYKMNNTLPJNMTTVLSGINFYKMTGMEVAGDHITTAAGASDNDPMILTLVPGRR 480
DB 421 FEYKMNNTLPJNMTTVLSGINFYKMTGMEVAGDHITTAAGASDNDPMILTLVPGRR 480
QY 481 PPOSVADTENKEVARITFVFETLCSVNCLEFYMVGNSRNTNPVETWKGSKGOSYTYI 540
DB 481 PPOSVADTENKEVARITFVFETLCSVNCLEFYMVGNSRNTNPVETWKGSKGOSYTYI 540
QY 541 IEBNTTSTFWAFORTTFHBAARKYNDYAKIYSINVTNMNGVASYCRPCALASDVGS 600
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DB 661 SNTPTRTFNYSALANTVTLAGGSPFTSKGLKYFHHFTLSLCGNGRMSVCTDNVTD 720
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DB 781 PAELFHLBESLGI PDVIFFRSNDVTQSCSGRSTTRVCSPOKTVPGSILPGTCSDDT 840
QY 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIOKTTYWREPELCSGGISLPORVY 900
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DB 901 ICKTIDFWLKVGISAGTCTAILTLTVLCYFWKKNQKLEKYKSKLVNNAATLKDCDLPADS 960
QY 961 CAIMEGEDVEDDLIFTSKNHSLGR 984
DB 961 CAIMEGEDVEDDLIFTSKSLFGK 984

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Search completed: June 18, 2004, 11:44:36
Job time : 58 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

CM protein - protein search, using sw model

Run on: June 18, 2004, 11:26:31 ; Search time 23 Seconds  
(without alignments)  
2246.852 Million cell updates/sec

Title: US-10-046-433-40

Sequence: 1 NAEFGSHLSARVRGRTER.....LGRSNHLPRLGLMDLQCR 1001

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:\*

1: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*

2: /cgn2\_6/prodata/2/1aa/5B\_COMB.pep:\*

3: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*

4: /cgn2\_6/prodata/2/1aa/5B\_COMB.pep:\*

5: /cgn2\_6/prodata/2/1aa/5C\_COMB.pep:\*

6: /cgn2\_6/prodata/2/1aa/backfill.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2491	45.2	495	US-09-673-395A-173	Sequence 173, Appl
2	252	4.6	1576	US-09-562-702A-24	Sequence 24, Appl
3	252	4.6	1576	US-09-561-818A-24	Sequence 24, Appl
4	252	4.6	1584	US-09-562-702A-28	Sequence 28, Appl
5	252	4.6	1609	US-09-562-702A-22	Sequence 22, Appl
6	252	4.6	1609	US-09-561-818A-22	Sequence 22, Appl
7	252	4.6	1617	US-09-562-702A-26	Sequence 26, Appl
8	233	4.2	3594	US-09-911-842A-4	Sequence 4, Appl
9	229.5	4.2	1572	US-09-562-702A-32	Sequence 32, Appl
10	229.5	4.2	1572	US-09-561-818A-28	Sequence 28, Appl
11	229.5	4.2	1605	US-09-562-702A-30	Sequence 30, Appl
12	229.5	4.2	1605	US-09-561-818A-26	Sequence 26, Appl
13	209.5	3.8	3571	US-09-911-842A-2	Sequence 2, Appl
14	192	3.5	1587	US-09-845-583A-10	Sequence 10, Appl
15	192	3.5	1587	US-09-561-709B-3	Sequence 3, Appl
16	177.5	3.2	1193	US-08-400-159-10	Sequence 10, Appl
17	177.5	3.2	1193	US-08-611-729A-10	Sequence 10, Appl
18	174	3.2	1765	US-09-562-702A-16	Sequence 16, Appl
19	174	3.2	1765	US-09-561-818A-16	Sequence 16, Appl
20	174	3.2	1786	US-09-562-702A-14	Sequence 14, Appl
21	174	3.2	1786	US-09-561-818A-14	Sequence 14, Appl
22	172.5	3.1	3084	US-09-561-709B-9	Sequence 9, Appl
23	172.5	3.1	3084	US-09-562-702A-12	Sequence 12, Appl
24	172.5	3.1	3106	US-09-562-702A-10	Sequence 10, Appl
25	172	3.1	3111	US-08-460-309-4	Sequence 4, Appl
26	172	3.1	3111	US-08-125-077-4	Sequence 4, Appl
27	170	3.1	1751	US-09-562-702A-20	Sequence 20, Appl

28	170	3.1	1725	4	US-09-561-818A-20	Sequence 20, Appl
29	170	3.1	1786	4	US-09-562-702A-18	Sequence 18, Appl
30	170	3.1	1786	4	US-09-561-818A-18	Sequence 18, Appl
31	167	3.0	610	6	5217870-2	Patent No. 5217870
32	166.5	3.0	3088	4	US-09-562-702A-8	Sequence 8, Appl
33	166.5	3.0	3089	4	US-09-562-702A-4	Sequence 4, Appl
34	166.5	3.0	3110	4	US-09-562-702A-2	Sequence 2, Appl
35	166.5	3.0	3110	4	US-09-562-702A-6	Sequence 6, Appl
36	166.5	3.0	3110	4	US-09-561-709B-7	Sequence 7, Appl
37	164	3.0	610	1	US-08-365-470-3	Sequence 3, Appl
38	164	3.0	610	3	US-09-209-668-19	Sequence 19, Appl
39	164	3.0	610	4	US-09-009-490A-89	Sequence 89, Appl
40	163	3.0	2165	4	US-09-800-729-155	Sequence 155, Appl
41	161.5	2.9	2523	1	US-08-185-432-18	Sequence 18, Appl
42	161.5	2.9	2523	4	US-08-899-232-3	Sequence 3, Appl
43	160.5	2.9	1111	1	US-08-317-450B-15	Sequence 15, Appl
44	160.5	2.9	1111	3	US-08-800-593-15	Sequence 15, Appl
45	160.5	2.9	1193	1	US-08-317-450B-13	Sequence 13, Appl

ALIGNMENTS

RESULT 1									
US-09-673-395A-173									
Sequence 173, Application US/09673395A									
Patent No. 6620923									
GENERAL INFORMATION:									
APPLICANT: SPECHT, THOMAS									
APPLICANT: HINZMANN, BERND									
APPLICANT: SCHWITZ, ARMIN									
APPLICANT: PILARSKY, CHRISTIAN									
APPLICANT: DAHL, EDGAR									
APPLICANT: ROSENTHAL, ANDRE									
TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM UTERUS TUMOR TISSUE									
FILE REFERENCE: ALBRE-12									
CURRENT APPLICATION NUMBER: US/09/673,395A									
CURRENT FILING DATE: 2000-10-17									
NUMBER OF SEQ ID NOS: 637									
SOFTWARE: Patent In Ver. 2.1									
SEQ ID NO 173									
LENGTH: 495									
TYPE: PRT									
ORGANISM: Homo sapiens									
US-09-673-395A-173									
Query Match									
Best Local Similarity 98.9%; Pred. No. 1.1e-215;									
Matches 461; Conservative 1; Mismatches 4; Indels 0; Gaps 0;									
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QY	579	NVMGVASVYCPCLLEASDVSSCTSCGAGYIIDRDSCTGSCSPNTILKXHPYQAC	638						
DB	61	NVMGVASVYCPCLLEASDVSSCTSCGAGYIIDRDSCTGSCSPNTILKXHPYQAC	120						
QY	639	VPCGGTGNKKIHSLCYNDCTFSNPTPTFNYSFALANTVTLAGBPSFKELKYPFH	698						
DB	121	VPCGGTGNKKIHSLCYNDCTFSNPTPTFNYSFALANTVTLAGBPSFKELKYPFH	180						
QY	699	FTLSICGQGRKMSVCTDNVTDLIIPGSESEFSSTAYVQAVIIPPEVTGYAGVSSQ	758						
DB	181	FTLSICGQGRKMSVCTDNVTDLIIPGSESEFSSTAYVQAVIIPPEVTGYAGVSSQ	240						
QY	759	PVSIADRLIGVTTMTDGLTSPALFLHLSLG.PDYIFFRSDVTVQSCSGSSTIRV	818						
DB	241	PVSIADRLIGVTTMTDGLTSPALFLHLSLG.PDYIFFRSDVTVQSCSGSSTIRV	300						
QY	819	RCSFQKTYPGSLIPGTCSDGTCGNCNHFPLMESAAACPLCSVADYAIYSSCYAGIOKT	878						
DB	301	RCSFQKTYPGSLIPGTCSDGTCGNCNHFPLMESAAACPLCSVADYAIYSSCYAGIOKT	360						

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DB 361 TYVREPKLCSGSIPEORVITCKITIDFMKVGISAGCTAILTLVLCYFMKNOKLE 420  
QY 939 YKYSKLVNATLKDCLPAPADSCAIMEGDEVEDDLFTSKNHLGR 984  
DB 421 YKYSKLVNATLKDCLPAPADSCAIMEGDEVEDDLFTSKNHLGR 466

RESULT 2  
US-09-562-702A-24  
; Sequence 24, Application US/09562702A  
; Patent No. 6632790  
; GENERAL INFORMATION:  
; APPLICANT: Yurchenco, Peter  
; TITLE OF INVENTION: Laminin 2 and Methods for Its Use  
; FILE REFERENCE: 99-274-B  
; CURRENT APPLICATION NUMBER: US/09/562,702A  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: 60/155,945  
; PRIOR FILING DATE: 1999-09-24  
; PRIOR APPLICATION NUMBER: 60/143,289  
; PRIOR FILING DATE: 1999-07-12  
; PRIOR APPLICATION NUMBER: 60/139,198  
; PRIOR FILING DATE: 1999-06-15  
; PRIOR APPLICATION NUMBER: 60/131,720  
; PRIOR FILING DATE: 1999-04-30  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 24  
; LENGTH: 1576  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-562-702A-24

Query Match 4.6%; Score 252; DB 4; Length 1576;  
Best Local Similarity 19.6%; Pred. No. 4,4e-13;  
Matches 212; Conservative 86; Mismatches 381; Indels 400; Gaps 54;

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DB 97 PSSINILHLHGKAFDITVYRLKPHTRPSFALYKTRREDGPMIPYQYSGSCENTYSKA 156  
QY 69 RVAVPHTPG-----LCTSLDPVYKTECSFSCNAGFLDMKOOSCKPCAEGRYSLSGTGR 123  
DB 157 NRGFIRTGDEQALCTD-----EFSDI-----SPLTGNVAVFT--- 191  
QY 124 FDEWDELPHGFASLSANMELDSSAESTGNCSTSSKVPGRDYIAFNTDECTATLMYAVNL 183  
DB 192 -----LGRPSAYNFDSNVPVQEWVATND-----IRVTL 220  
QY 184 KQSGTVNFE-----YYPDSSITFEFPVQNDQCPNADDSRMKTEKGMFHSV 233  
DB 221 NRIINTGDEVENDPKYLKSYVAISD-----FAVGRCKNGHASECMN-----EFDCL 270  
QY 234 ELNRGNVNL-----YWRRTAFSVTVTPVPLVYRNIAITGVAVYTSCEPFC 278  
DB 271 VCNCKRNTYVNDCEKCLPFNDKPRRATNES-----ASECLPC 309  
QY 279 -----KPGTY-----ADKQSSFCULCPANSY-----SNKGETSCHQCD 312  
DB 310 DCMGRSQECYFDELYRSTGHGCTNCCDNTDGAJCECREREPFLGNNHACSSCH-CS 368  
QY 313 P-----DKYSEKSSSCNVRPA-----CTDKDYFYHT-----ACANGETOLM 351  
DB 369 PVGSLTQCDSTYR-----CSCKPGVMGDKCRQCPGFHSLTEAGRPSCDPSGSIDEC 423  
QY 352 YKNAKXICSEDEGAVKLPASGVKTHCPNCPNPFKTNST-----CQPCPYSGSYSGSDC 408  
DB 424 NVETGRVCVKDNVEG-----FNCERCKPGFNLSSNPRGCTPC--FCFGHSSVC 471  
QY 409 TRCPAGTBAVPGVEFYKMNNTLPNTMETVYLSGINFEYKMGKMGVAGDHIITAAAGASND 468

DB 472 TN-----AVGYSV-----YSISSTFOIDEDGWRARQDRGSEASLEWSESRQD 513  
QY 469 FMILT-----LVPGFRPQOSVMADETXEVARITFVET---LCSVACEIYFMGVN 518  
DB 514 IAVISDSYFPYRFAAPKFLGKQVLSYGN-----LSFSFRVDRDRTRLASDLVLEGAG 568  
QY 519 SRTNTPVETWKS-KGQSYTYIIENNTTTSFTW-----AFQ-----RTTFH 559  
DB 569 LRVSPLIAGNSYPSSTYVYKVRFLHEATDYPFRALTFEERKLIANLTSIKIRQYS 628  
QY 560 EASRKYNDVAKI-----YSISIN 576  
DB 629 ERSAGYLDVTLASARPGVPATWESCTCPVYGQGFCEMCLSGYRRETPNLGPYSPC 668  
QY 577 VTNNMGVASYCRP-----CALEASDVSSCTSCPAGYIINDBSGT---CHSCP-PNTILK 628  
DB 689 VLCAKNGHSETCDETEVCNCRDNTAGPHKEKSDGYGSGTAGTSDDCPGCPGSSC 748  
QY 629 AHQPYGVQ-ACVPCPGPTKNNKHLHSLC---YNDCTFSRNTPTR-----TFYNSBALA 677  
DB 749 AVPEKTEKVVCTNCPGTGTGRC-ELCDDGYFSDPLGRNBPVRLCRLCQCSNDIDPRAVG 807  
QY 678 NTVTLAGSPFTSKGLYFPH-----FTLSGNGQRKMSVCTDNTVTLRIP 724  
DB 808 NCRPLTG-----ECLKCTYNTAGFYCDRCXGFGNPLAPNADKCKACN-----P 855  
QY 725 EGESGFKSITAYVQAVIIPREYTYKAV-----SSQPVSIAD-RLIGVTTDM- 773  
DB 856 YGTMKQSSCNVPYQCECL-PHYTGQDCGACDPGFYNLGSGGCEKCDHALGSTVQGC 914  
QY 774 -----TLDGITSAPALFHLBSLGPVIFPFRASDVYQSSSGSTIIRVCSPOKT 825  
DB 915 DIRTGCECPGFTIGQ---HCEKRC---EYNHGFGEGCKPCD-----CHPE-- 955  
QY 826 VPGSILL-----PGTCS-----DGTCDGCMFPL-----WESAAACPLC-----SVADY 864  
DB 956 --GSLSLQCKDGRGCEHREBVGVRKQDCBENFYRNSWGCQCECPACYALVAKVADH 1012

RESULT 3  
US-09-561-818A-24  
; Sequence 24, Application US/09561818A  
; Patent No. 6638907  
; GENERAL INFORMATION:  
; APPLICANT: Kortessma, Jarrko  
; TITLE OF INVENTION: Laminin 8 and Methods for Its Use  
; FILE REFERENCE: 99/274-D  
; CURRENT APPLICATION NUMBER: US/09/561,818A  
; CURRENT FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 28  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 24  
; LENGTH: 1576  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-561-818A-24

Query Match 4.6%; Score 252; DB 4; Length 1576;  
Best Local Similarity 19.6%; Pred. No. 4,4e-13;  
Matches 212; Conservative 86; Mismatches 381; Indels 400; Gaps 54;  
QY 23 PRLMRLLMAGTAFQVT-----QGTPELHACKS-----EYHYEYTAOSTGSRM 68  
DB 97 PSSINILHLHGKAFDITVYRLKPHTRPSFALYKTRREDGPMIPYQYSGSCENTYSKA 156  
QY 69 RVAVPHTPG-----LCTSLDPVYKTECSFSCNAGFLDMKOOSCKPCAEGRYSLSGTGR 123  
DB 157 NRGFIRTGDEQALCTD-----EFSDI-----SPLTGNVAVFT--- 191  
QY 124 FDEWDELPHGFASLSANMELDSSAESTGNCSTSSKVPGRDYIAFNTDECTATLMYAVNL 183

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Db 192 -----LEGRPSAYNFNDSPVLOEWATATD-----IRVTL 220
Qy 184 KSGTYNFE-----YYPDSSIIFFPVQNDQOPNADSRMKTEKGEFHSV 233
Db 221 NRIINTFGEDEVFNDPKVLKSYVAISD-----FANGRCCKNGHASECKM-----EFDKL 270
Qy 234 ELNRGNVVL-----YMRTPASVWTKPKVLYVNRNIAITGVAATSSCPFC 278
Db 271 VCNCKHNTYVDCEKCLPFNDPRPWRATAES-----ASECLPC 309
Qy 279 -----KPGTY-----ADKGSFCKLCPANSY-----SNKGETSCHQCD 312
Db 310 DCMGRSGCYFDEPLVASTGHGHCNTCQNDTGAHCERENRFPRLGNNEACSSCH-CS 368
Qy 313 P-----DKYSEKSSSCNVRA-----CTDKDYFYHT-----ACDANGETOIM 351
Db 369 PVGSLSTQCDSYGR-----CCKRPGVMDKCDRCQPGFHSILTAGCRPCGCDPSGSDIEC 423
Qy 352 YKMAKPKICSEDLGAVKLPASGVKTHCPNCPGFFKTNST-----COPCPYGSYNSGSDC 408
Db 424 NVEIRGVCCKDNVEG-----FNCERCKPGFFNLSSNPRGCTPC--FCGHSYVC 471
Qy 409 TRCPAGTEPAVGEYKMMNTLPTNMETTVLSGINFEYKMTGWEVAGDHIYTAAGASDND 468
Db 472 TN-----AVGYSV-----YSISSTFOIDEDGWRARQDSEASLEWSESD 513
Qy 469 FMILT-----LVPGFRPQSVADTENKEVARITFEET-----LCSVNCLEYPMGVN 518
Db 514 IAVISDSYFPRYFIAPAKFLGKOVLSYGN-----LSFSFVRDRDTRLSAEDVLEAG 568
Qy 519 SRNTPEVETWKS-KGKOSYTYIIENNTTTSFTM-----AFQ-----RTTH 559
Db 569 LRAVSFPLAOGNSYSESTTVKVFRLHEATDYFMRPALTPFEQKLNNLTSIKIGTVS 628
Qy 560 EASRKYTNDVAKI-----YMRTPASVWTKPKVLYVNRNIAITGVAATSSCPFC 278
Db 629 ERSAGYLDVTLASARPGPVATWESCTCPVGSGQFCMCLSGYRRETPNLGPSPC 688
Qy 577 VTNWNGVASYCRP-----CALEASDVSSCTSCPAGYIIDRDSGT-----CHSCP--PNTILK 628
Db 689 VILACNHSSTCDBETGVNCNCRDNTAGPHCEKSDYIGDSTAGTSDCQPCPCGGSSC 748
Qy 629 AHQPYGVQ-ACVPCGPGTKNNKIHSLC--YNDCTFSRNTPTR-----TENYNSALA 677
Db 749 AAVPKTEVAVCTNCPCTTGKRC-ELCDDGYFGDPLGRNBPVRLCLCQSDSIDENAVG 807
Qy 678 NVTLAGGSPFSTKGLKYFHH-----FTLSLQNGGRMSVCTDVTDLRTP 724
Db 808 NCRRLTG-----ECLKCIYNTAGFYCDRCCKDFGNPLAPNADCKACNCR-----P 855
Qy 725 EGSGFSKSIITAVYCAVRIIPREVTGYKGV-----SSQPVSIAD-RLIGVTTDM- 773
Db 856 YGTMKQSSCNPTVGQCECL-PHVTGQDCGACDPGFYNLQSGGCECERCDHALGSTNGQC 914
Qy 774 -----TDDGTSRLELPHLESIGIPDIFFYRNDVTQSSSRSRTIIRKCPQRT 825
Db 915 DIRTGCECOPGILGQ--HCERC--EVNHFSGEGCKPCD-----CHPE-- 955
Qy 826 VPSSLLT-----PGTCS-----DGTCDGCFHFL-----WESAACPLC-----SVADY 864
Db 956 --GSLISQCKDGRCEGRGFGVGNRCDQCEENFYNRSWGCGCEGACVRLVMDKXADH 1012

RESULT 4
US-09-562-702A-28
; Sequence 28, Application US/09562702A
; Patent No. 6632790
; GENERAL INFORMATION:
; APPLICANT: Yurchenco, Peter
; TITLE OF INVENTION: Laminin 2 and Methods for its Use
; FILE REFERENCE: 99-274-B
; CURRENT APPLICATION NUMBER: US/09/562, 702A
; CURRENT FILING DATE: 2000-04-28
```

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Qy 192 -----LEGRPSAYNFNDSPVLOEWATATD-----IRVTL 220
Qy 184 KSGTYNFE-----YYPDSSIIFFPVQNDQOPNADSRMKTEKGEFHSV 233
Db 221 NRIINTFGEDEVFNDPKVLKSYVAISD-----FANGRCCKNGHASECKM-----EFDKL 270
Qy 234 ELNRGNVVL-----YMRTPASVWTKPKVLYVNRNIAITGVAATSSCPFC 278
Db 271 VCNCKHNTYVDCEKCLPFNDPRPWRATAES-----ASECLPC 309
Qy 279 -----KPGTY-----ADKGSFCKLCPANSY-----SNKGETSCHQCD 312
Db 310 DCMGRSGCYFDEPLVASTGHGHCNTCQNDTGAHCERENRFPRLGNNEACSSCH-CS 368
Qy 313 P-----DKYSEKSSSCNVRA-----CTDKDYFYHT-----ACDANGETOIM 351
Db 369 PVGSLSTQCDSYGR-----CCKRPGVMDKCDRCQPGFHSILTAGCRPCGCDPSGSDIEC 423
Qy 352 YKMAKPKICSEDLGAVKLPASGVKTHCPNCPGFFKTNST-----COPCPYGSYNSGSDC 408
Db 424 NVEIRGVCCKDNVEG-----FNCERCKPGFFNLSSNPRGCTPC--FCGHSYVC 471
Qy 409 TRCPAGTEPAVGEYKMMNTLPTNMETTVLSGINFEYKMTGWEVAGDHIYTAAGASDND 468
Db 472 TN-----AVGYSV-----YSISSTFOIDEDGWRARQDSEASLEWSESD 513
Qy 469 FMILT-----LVPGFRPQSVADTENKEVARITFEET-----LCSVNCLEYPMGVN 518
Db 514 IAVISDSYFPRYFIAPAKFLGKOVLSYGN-----LSFSFVRDRDTRLSAEDVLEAG 568
Qy 519 SRNTPEVETWKS-KGKOSYTYIIENNTTTSFTM-----AFQ-----RTTH 559
Db 569 LRAVSFPLAOGNSYSESTTVKVFRLHEATDYFMRPALTPFEQKLNNLTSIKIGTVS 628
Qy 560 EASRKYTNDVAKI-----YMRTPASVWTKPKVLYVNRNIAITGVAATSSCPFC 278
Db 629 ERSAGYLDVTLASARPGPVATWESCTCPVGSGQFCMCLSGYRRETPNLGPSPC 688
Qy 577 VTNWNGVASYCRP-----CALEASDVSSCTSCPAGYIIDRDSGT-----CHSCP--PNTILK 628
Db 689 VILACNHSSTCDBETGVNCNCRDNTAGPHCEKSDYIGDSTAGTSDCQPCPCGGSSC 748
Qy 629 AHQPYGVQ-ACVPCGPGTKNNKIHSLC--YNDCTFSRNTPTR-----TENYNSALA 677

Query Match 4.6%; Score 252; DB 4; Length 1584;
Best Local Similarity 19.6%; Pred. No. 4.4e-13;
Matches 212; Conservative 86; Mismatches 381; Indels 400; Gaps 54;

US-09-562-702A-28
; PRIOR APPLICATION NUMBER: 60/155,945
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 60/143,269
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/139,198
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/131,720
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 28
; LENGTH: 1584
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
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Db 749 AVPKRKEVCTNCPCTTGKRC-ELCDGEGDPLGRNGPRLRLCCGSDNIDPNAVG 807  
Qy 678 NTVTLAAGSFFSKGLKTHH-----FLLSLCNGQGRKMSVCTNNVTLRIP 724  
Db 808 NCRRLTG-----ECKKCIYNTAGFYCDRCXGFFGNPLAPNPADKCKACNKN-----P 855  
Qy 725 EGSGGSKSTAVVCAVLIIPPEVTGYKAGV-----SSQPVSLAD-RLIGVTTDM- 773  
Db 856 YGTMKQSSCNPTVGCCECL-PHYTGODGACDPRGYNIQSGGGERCHALGSTNGQC 914  
Qy 774 -----TLDGITSPALFHLISLGIPIVIFPYSNDVTQSCSGRSTTIRVRCSPQKT 825  
Db 915 DIRTGCECPGIGTG-----HCERC-----EVNHGFGPEGCKPCD-----CHPE-- 955  
Qy 826 VPSSILL-----PCTCS-----DGTCDGNCNPHL-----WESAACPUC-----SVADY 864  
Db 956 --GSLSLQCKDDRCCEGREGFVGNRCDCCEBNFYNRSMFGCECPACRYLVKDYADH 1012

## RESULT 5

US-09-562-702A-22  
Sequence 22, Application US/09562702A  
Patent No. 6632790  
GENERAL INFORMATION:  
APPLICANT: Yurchenco, Peter  
TITLE OF INVENTION: Laminin 2 and Methods for Its Use  
FILE REFERENCE: 99-274-B  
CURRENT APPLICATION NUMBER: US/09/562,702A  
PRIOR APPLICATION NUMBER: 60/155,945  
PRIOR FILING DATE: 1999-09-24  
PRIOR APPLICATION NUMBER: 60/143,289  
PRIOR FILING DATE: 1999-07-12  
PRIOR APPLICATION NUMBER: 60/139,198  
PRIOR FILING DATE: 1999-06-15  
PRIOR APPLICATION NUMBER: 60/131,720  
PRIOR FILING DATE: 1999-04-30  
NUMBER OF SEQ ID NOS: 32  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 22  
LENGTH: 1609  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-562-702A-22

Query Match 4.6%; Score 252; DB 4; Length 1609;  
Best Local Similarity 19.6%; Pred. No. 4.5e-13;  
Matches 212; Conservative 86; Mismatches 381; Indels 400; Gaps 54;

Qy 23 PRLMRLILMAGTAFOYT-----QGTGPELHACKES-----EYHYEYTCDSGSRM 68  
Db 130 PSSINLTLHGKAFDIYVRLKPHTSRPSFALYKTRDEGPMIPIQYISGSCENTYSKA 189  
Qy 69 RVAVPHTPG-----LCTSLDPVYKTECSFCNAGEFLDMKQSCPKCAEGRYSLGTGR 123  
Db 190 NRGIRIRGDEQALCTD-----EFSDI-----SPLTGGNVAFST--- 224  
Qy 124 FDEWDELPHGFAGISANMEJDDSAABSTGCTSSKVPYPRGDIYAFTTDECTALIMAVNL 183  
Db 225 -----LEGRPSAYNFDSNPVLQEWTLATD-----IRVTL 253  
Qy 184 KQSGTVNFE-----YYPPDSIIFFPVONOCOPNADSRMKTTEKGMFEHGV 233  
Db 254 NRLNTFDEVFNPDKVLYKSYIYALSD-----FAVGRCCKNGASACMNK-----EFDKL 303  
Qy 234 ELNRGNL-----YWTTFASVWTVKPEVLVNTAITGAVTSQPCFC 278  
Db 304 VCCKKHNTYGVDCCKLPFNDRPWRRLTAES-----ASECLPC 342  
Qy 279 -----KPGTY-----ADKQSSFCCLKCPANSY-----SNKGETSCHQCD 312  
Db 343 DNGRSGOECYFDEBELYKSTGHGCHCTNCQNTDGAHCERENFPRLGNNEACSSCH-CS 401

Qy 313 P-----DKYSEKSSSCNVRPA-----CTDKDYFYTHT-----ACDANGETOLM 351  
Db 402 PVGSLSTQCCSYGR-----CSCKRGVWGDCKDRCPQGFHSLTLAGRCPCSCDPSGSIDEC 456  
Qy 352 YKMAKPKICSEDLGAVKYLPAASGVKTHCPNCNNGFFETNNST---CQPCYGSYSNSGDC 408  
Db 457 NVEGRGCVCKDNVEG-----FNCECKRGFFLESNPRGCTPC--FCFGHSVC 504  
Qy 409 TRCPAGTEPAVGFPEYKMWNTLPTNMTTVLSGINFPEYKMTGWEVAGDHITTAAGASDND 468  
Db 505 TN-----AVGVYV-----YSISITQIDBDGMRARQSGSEASLEMSERQD 546  
Qy 469 FMILT-----LVNPGFRPPQSYMADTENKEVARITFVET---LCSVNCIYFNVGVN 518  
Db 547 IAVISDSYFPRYFAPAKFLGKQVLSYGQN-----LSFSPRVDRDRLTSAEDLVLEGAG 601  
Qy 519 SRNTPEVETMKGS-KGQSYTYIIEENTTSFTM-----AFQ-----RTTFH 559  
Db 602 LKVSVPILAQGNSTPSETTVKYVRLHEAIDYRPRALTFEFOKLNLNLTSLIKQTVS 661  
Qy 560 EASRKYNDVAKI-----YGIN 576  
Db 662 ERSAGYLDVTLASARPGVPATWVESCTCPVYGQGFCEMCLSGYRRETPNLGPySPC 721  
Qy 577 VTNMANGVASYCRP-----CALEASDVSSCTSCGAGYIDRDSGT---CHSCP-PNTILK 628  
Db 722 VLCACNHSSETDDETVGCNCRDNTAGPHCEKSDGYTGISTGTSSDCPCPCPGSSC 781  
Qy 629 AHQPYGVQ-ACVPGPPTKNNKIHSLC-----YNDCTFSRNTPTR-----TFYVNSALA 677  
Db 782 AVPKRKEVCTNCPCTTGKRC-ELCDGEGDPLGRNGPRLRLCCGSDNIDPNAVG 840  
Qy 678 NTVTLAAGSFFSKGLKTHH-----FLLSLCNGQGRKMSVCTNNVTLRIP 724  
Db 841 NCRRLTG-----ECLKCIYNTAGFYCDRCXGFFGNPLAPNPADKCKACNKN-----P 888  
Qy 725 EGSGGSKSTAVVCAVLIIPPEVTGYKAGV-----SSQPVSLAD-RLIGVTTDM- 773  
Db 889 YGTMKQSSCNPTVGCCECL-PHYTGODGACDPRGYNIQSGGGERCHALGSTNGQC 947  
Qy 774 -----TLDGITSPALFHLISLGIPIVIFPYSNDVTQSCSGRSTTIRVRCSPQKT 825  
Db 948 DIRTGCECPGIGTG-----HCERC-----EVNHGFGPEGCKPCD-----CHPE-- 988  
Qy 826 VPSSILL-----PCTCS-----DGTCDGNCNPHL-----WESAACPUC-----SVADY 864  
Db 989 --GSLSLQCKDDRCCEGREGFVGNRCDCCEBNFYNRSMFGCECPACRYLVKDYADH 1045

## RESULT 6

US-09-561-818A-22  
Sequence 22, Application US/09561818A  
Patent No. 6638907  
GENERAL INFORMATION:  
APPLICANT: Kotesmaa, Jariko  
TITLE OF INVENTION: Laminin 8 and Methods for Its Use  
FILE REFERENCE: 99/274-D  
CURRENT APPLICATION NUMBER: US/09/561,818A  
PRIOR FILING DATE: 2000-04-28  
NUMBER OF SEQ ID NOS: 28  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 22  
LENGTH: 1609  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-561-818A-22

Query Match 4.6%; Score 252; DB 4; Length 1609;  
Best Local Similarity 19.6%; Pred. No. 4.5e-13;  
Matches 212; Conservative 86; Mismatches 381; Indels 400; Gaps 54;



QY 23 PRMLRLMAGTAPVOT-----QGTGPELHACKES-----EYHEYVACDSTGSRW 68  
 Db 130 PSSINLTLLHKAFLDITVRLKFKHTSRPSFAIYKTRREDGPMIPIQYSSGSCENTYSSA 189  
 QY 69 RVAVPHTPG-----LCTSLPDPVKGTGECFSNAGEFLMDKQSCPCAEGRSLGTGIR 123  
 Db 190 NRGFTIRGDEQALCTD-----EFSDI-----SPLTGAVAFST--- 224  
 QY 124 FDEWDELPHGFASLISANMELDLSAABSTGCTSSKXVPRGDYIAFNIDECTATLMYAVNL 183  
 Db 225 -----LEGRPSAVNPDNSVLOEWYATD-----IRVTL 253  
 QY 184 KQSGTVNFE-----YYPPDSIIFFVONQOCOPNADSRMKTTEKGMFPHSV 233  
 Db 254 NRIINTFGDEVNDPKVKLSYYAISD-----FAVGRCCKNGHASECKM-----EFDKL 303  
 QY 234 ELNRGNVNL-----YWRTAFSVWTKVPKPVLRNIAITGVAATSECPFC 278  
 Db 304 VCNCKNTYGVDCCKCLPFENDRPWRATAS-----ASECLPC 342  
 QY 279 -----KRGTY-----ADKQSSFCULCPANSY-----SNKGETSCHQCD 312  
 Db 343 DCNGRSQCEYFDELYRSTGHGCHTNCQDNTDGAHCERCHRENFRLGNNEACSSCH-CS 401  
 QY 313 P-----DKYSEKSSSCNVRA-----CTDKDYFYTH-----ACDANGETOLM 351  
 Db 402 PVGSLSTQCDSTYR-----CCKPGVMGDKCDRCQGFHSLTAGRCPCSDPSGIDEC 456  
 QY 352 YKMAKPKICSEDEGAVKLPASGVKTHCPNPGFKNNTST---CQCPYGSYSNGSDC 408  
 Db 457 NVEITGRCVKCKDNVEG-----FNCEKCKPGFNLSSNPRGCTPC--FCGHSYSVC 504  
 QY 409 TRCPAGTEPAVGEFKMMNTLPTNMETTVLSGINFEYKMTGWEVAGDHIYTAAGSDMD 468  
 Db 505 TN-----AVGYSV-----YSLSTFOIDEDGWRABQDGSSEASLEWSSEROD 546  
 QY 469 FMILT-----LVDPGRPPQSVMAADTENKEVARITFVEPT---LCSVNCELTFMVGYN 518  
 Db 547 IAVISDSYPRFYIAPAKFLGKQVLSTYGN---LSFSFRVDRDRTRLSAEDVLVLEGAG 601  
 QY 519 SRINTPVEWTGKS-KGKQSYTYIIENNTTSFTW-----AFQ-----RTTFH 559  
 Db 602 LRVSVPFLIAGNSYPSSETTVKYVFLHEATDYPWRPALTPFEQKLNLTLSIKIRGTYS 661  
 QY 560 EASRKYTNDAKI-----YWRTAFSVWTKVPKPVLRNIAITGVAATSECPFC 278  
 Db 662 ERSAGILDDVTLASABRGVPAWTWESCTCPYVGQFCCEMLSGYRSETPMLGYSFC 721  
 QY 577 VTNVNGVASYCRP---CALEASDVGSSTGSCPAGYIIDRDSGT---CHSCP-ENTILK 628  
 Db 722 VLCACNGHSETCDPEYGVNCNCRDNTAGPHCEKCSDEYGGSTAGTSDDQCPCCPGSSGC 781  
 QY 629 AHQPYGVQ-ACVPCGSGTKNNKIHSLC---YNDCTSRMTPTM-----TNYNSALA 677  
 Db 782 AVVPKREKVEVCTNCPGTGTGKRC-ELCDDGYFEDPILGRNGVFLCLOCSSDIDIDNAG 840  
 QY 678 NTVTLAAGPSFTSKGKYFHH-----FTLSLQNGGRMSVCTDNTVDLRLP 724  
 Db 841 NCURLG-----EGLKCIYNTAGFYCDRCQDGFPGNPLAPNPADCKXACNCC---P 888  
 QY 725 EGSAGSKSLTAYVCAVILPEVYTGKGV-----SSQPVSLAD-RILIGVTTDM- 773  
 Db 889 YGTMAQSSCNPTVTCCECL-PHVTGQDCGACDPGFYNIQSGGCGERCCHALGSTNGQC 947  
 QY 774 -----TLDGITSPAEFLHLSLGIPIVIFYRSDNYTQSCSGSRSTTIRVCSPOKT 825  
 Db 948 DIRTGOCEQPGITGO---HCERC---EVNHHGFPBEGCKPCD-----CHPE- 968  
 QY 826 VPSSLL-----PBTCS-----DGTDCGCMFHL---WESAACPLC-----SVADY 864  
 Db 989 --GSLSLQCKDDRCBCEGREGFVGNRCDOCEENYFNRSWPGCOCEPACVRLVKDXYAD 1045

RESULT 7  
 US-09-562-702A-26  
 ; Sequence 26, Application US/09562702A  
 ; Patent No. 6632790  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Yurchenco, Peter  
 ; TITLE OF INVENTION: Laminin 2 and Methods for Its Use  
 ; FILE REFERENCE: 99-274-B  
 ; CURRENT APPLICATION NUMBER: US/09/562,702A  
 ; PRIOR APPLICATION NUMBER: 2000-04-28  
 ; PRIOR FILING DATE: 1999-06-15  
 ; PRIOR FILING DATE: 1999-09-24  
 ; PRIOR APPLICATION NUMBER: 60/143,289  
 ; PRIOR FILING DATE: 1999-07-12  
 ; PRIOR APPLICATION NUMBER: 60/139,198  
 ; PRIOR FILING DATE: 1999-06-15  
 ; PRIOR APPLICATION NUMBER: 60/131,720  
 ; PRIOR FILING DATE: 1999-04-30  
 ; NUMBER OF SEQ ID NOS: 32  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 26  
 ; LENGTH: 1617  
 ; TYPE: PRY  
 ; ORGANISM: Homo sapiens  
 US-09-562-702A-26  
 Query Match 4.6%; Score 252; DB 4; Length 1617;  
 Best Local Similarity 19.6%; Pred. No. 4.6e-13;  
 Matches 212; Conservative 86; Mismatches 381; Indels 400; Gaps 54;  
 QY 23 PRMLRLMAGTAPVOT-----QGTGPELHACKES-----EYHEYVACDSTGSRW 68  
 Db 130 PSSINLTLLHKAFLDITVRLKFKHTSRPSFAIYKTRREDGPMIPIQYSSGSCENTYSSA 189  
 QY 69 RVAVPHTPG-----LCTSLPDPVKGTGECFSNAGEFLMDKQSCPCAEGRSLGTGIR 123  
 Db 190 NRGFTIRGDEQALCTD-----EFSDI-----SPLTGAVAFST--- 224  
 QY 124 FDEWDELPHGFASLISANMELDLSAABSTGCTSSKXVPRGDYIAFNIDECTATLMYAVNL 183  
 Db 225 -----LEGRPSAVNPDNSVLOEWYATD-----IRVTL 253  
 QY 184 KQSGTVNFE-----YYPPDSIIFFVONQOCOPNADSRMKTTEKGMFPHSV 233  
 Db 254 NRIINTFGDEVNDPKVKLSYYAISD-----FAVGRCCKNGHASECKM-----EFDKL 303  
 QY 234 ELNRGNVNL-----YWRTAFSVWTKVPKPVLRNIAITGVAATSECPFC 278  
 Db 304 VCNCKNTYGVDCCKCLPFENDRPWRATAS-----ASECLPC 342  
 QY 279 -----KRGTY-----ADKQSSFCULCPANSY-----SNKGETSCHQCD 312  
 Db 343 DCNGRSQCEYFDELYRSTGHGCHTNCQDNTDGAHCERCHRENFRLGNNEACSSCH-CS 401  
 QY 313 P-----DKYSEKSSSCNVRA-----CTDKDYFYTH-----ACDANGETOLM 351  
 Db 402 PVGSLSTQCDSTYR-----CCKPGVMGDKCDRCQGFHSLTAGRCPCSDPSGIDEC 456  
 QY 352 YKMAKPKICSEDEGAVKLPASGVKTHCPNPGFKNNTST---CQCPYGSYSNGSDC 408  
 Db 457 NVEITGRCVKCKDNVEG-----FNCEKCKPGFNLSSNPRGCTPC--FCGHSYSVC 504  
 QY 409 TRCPAGTEPAVGEFKMMNTLPTNMETTVLSGINFEYKMTGWEVAGDHIYTAAGSDMD 468  
 Db 505 TN-----AVGYSV-----YSLSTFOIDEDGWRABQDGSSEASLEWSSEROD 546  
 QY 469 FMILT-----LVDPGRPPQSVMAADTENKEVARITFVEPT---LCSVNCELTFMVGYN 518  
 Db 547 IAVISDSYPRFYIAPAKFLGKQVLSTYGN---LSFSFRVDRDRTRLSAEDVLVLEGAG 601  
 QY 519 SRINTPVEWTGKS-KGKQSYTYIIENNTTSFTW-----AFQ-----RTTFH 559  
 Db 602 LRVSVPFLIAGNSYPSSETTVKYVFLHEATDYPWRPALTPFEQKLNLTLSIKIRGTYS 661

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QY 560 EASRKYTNVAKI-----YSIN 576
DB 662 ERAGAGLDDVTLASAPPGVATWESCTCPVYGCGFCMCLSGYRETNLPSPSFC 721
QY 577 VTNWNGVASYCPR---CALEASDVSSCTSCPCAGYIDRDSGT---CHSCP-ENTLIK 628
DB 722 VTCACNGHSETCDPEGVNCNCRDNTAGPHCEKCSDEYGDSTAGTSSDQCPCPCGSGSC 781
QY 629 AHQPVGOV-ACVPCGSGTGNKXKHSLS----YNDCTSRNTPTR-----TENYPSALA 677
DB 782 AVVPKREYVCTNCPFTGTGKRC-ELCDGGRNDBLGRNGPRLCRLLCCGCSNIDPMNAV 840
QY 678 NTVTLAAGSPSFTSKGKYPFH-----FTLSLGNQGRMSVCTDNVTDLRIP 724
DB 841 NCRRLTG-----ECLKCIYNNTAGFYCDRCXGFFGNPLAPNPADCKKACNCCN-----P 888
QY 725 EGSSGSKSTAVCOAVIIPREVTGYKAGV-----SSQPSYLAB-ELIGVTDK- 773
DB 889 YGTMKOSSCNPVYGOCECL-PRVTGQDQACDPCGYNIQSOGGECRCDHALGSTNGQC 947
QY 774 -----TLDGITSPAEHLFLESLSGIPVIFPYSNDVYOSGSGRSTTIEVRCSPK 825
DB 948 DIRTGQCEQGITGQ-----HGRC----EYNHGFGECEGKPCD-----CHPE- 988
QY 826 VPSGSLI-----PGTCS-----DGTDCGCFHFL-----WESAAACPLC-----SVADY 864
DB 989 --GSLSLQCKDPCRCREGFVGNRCDQCEENFYNRSWPGQCEPCACRYLYKXKADH 1045

```

## RESULT 8

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US-09-911-842A-4
; Sequence 4, Application US/09911842A
; Patent No. 6656707
; GENERAL INFORMATION:
; APPLICANT: Amgen Inc.
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF
; FILE REFERENCE: 01017/37592
; CURRENT APPLICATION NUMBER: US/09/911,842A
; PRIORITY FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US 60/222,438
; PRIOR FILING DATE: 2000-08-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 4
; LENGTH: 3594
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1757)..()
; OTHER INFORMATION: Xaa = any or unknown amino acid
US-09-911-842A-4

```

## Query Match

4.2%; Score 233; DB 4; Length 3594;

Best Local Similarity 20.3%; Pred. No. 8.5e-11;

Matches 195; Conservative 105; Mismatches 332; Indels 328; Gaps 54;

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QY 47 HACKESYHEVETACDSTGSRWVAVPHTPGLCTSPDPYKRECSGNCAGFLD--MK 104
DB 822 HGRKSFEMLYKTRCDMDLFFKFSAAFEYTLGNWV-----SF-CNDADDIDCRLE 872
QY 105 DOSCKPCAEGRYSI-----GTGIRFD-EMD-----ELPHGF-----ASLSAN 140
DB 873 DLRFKYCIENYVYENGFALPGWAGNLDVSYHFLDVQETPTDVGKARSSRIKRT 932
QY 141 MEUDDSAABSTGCTGSKWVP--RGDIANTDECAITLMYAVANLQSGVAFEEYPPS 198
DB 933 VPLSDPKIQLIFITLAVPLPEERNDTLEENQORLKITLETITNRLKSTLNKEPMIS-- 590
QY 199 SIIFEFVQNDQCCPNADSDSRMMKTEKGEFHSVELNRGNVLYWRTTAFSVWTVKPP 258
DB 991 ----FQLASFTVAVDSNLSL-----TEKAF-----LFCR-----PGS 1018

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QY 259 LVVEMIAIT--GVAVT--SECFPCKEGYADKQSSFCCLCPANSYS---NKGETSC 308
DB 1019 VLRGRMCVNPGLGYSLEHSTCESCLMGSYQDEGLCKLPRTTHAEYLHSRSVSEC 1078
QY 309 H-QQDPKYSKEKSSGNCNVPACDQKDFYTHAACANANGTOLMYWAKXISEDLIGA 367
DB 1079 KAQCKQGTSSSGLTESCPGLTYQPFQSR--SCLLCPEITTVK-----RGA 1126
QY 368 VKLPASGVKTHQPCNPGFKTNST-QQCP--YGSYNSGDCTRCPAGTEPAVGFEX 423
DB 1127 VDISACGV-----PCPVGEFSRSLFPCYCPDRDYQPNAGKSFCLACP----- 1170
QY 424 KMANITLPTNMTYVLSINFEYKMTGMEVAGCHI--YTAGASDNDMEI----- 471
DB 1171 -FYGTTITGATSTIDCSSFS---STPSAABESTVPLVAPGHSQNTKIEVSSGVFHECFL 1225
QY 472 -----LTLVVPGRPPQSVMAADTENKAVRITFEVETLC-----SVN 508
DB 1226 NPGHNSGTCCQLAGKYVCLCPGY--TLKCEITDIDECSLPCLNGICRDQVGFTCE 1282
QY 509 CELYFMVGVNSRINTPVETWKSGKQSYIIEBNTTSTFTWAFORTTHEASRKYTD 568
DB 1283 CSL-----GYSGQ-----ICEEN-----INE 1298
QY 569 VAKYISINTVNMWGVASYCRPCALASDVSSCTSCPCAY---YIDRDSGTCHS--CPP 623
DB 1289 CTSPPCLNKGTCTDGLASY-----RCT-CYKRYMGVHCTDVNEGSSPCUN 1344
QY 624 NTILKAHQPYGVQA-CVPCGEGTKNKK-----IHSLCYNDCTSRNTPRTFNYSALA 677
DB 1345 NAVCK-DQVGFGSCKCPGFGTICEKNVDECSIQPCONATCKDQ-----A 1390
QY 678 NTVTLAAGSPFTSKGLYFHFHFTLSL--C-GNCGKMSVCTDNVTDLRIPGSGFSKSI 734
DB 1391 NSFRCCQCPAGTGT-----HCELINECQSNPCRNATQVD-----EL 1428
QY 735 TAYVCOAVIIPREVTGYKAGVSNP-VSLADRLIGVTTMDLTGITSFAELFLESLSGI 792
DB 1429 NSYSCKC--QPGSGHRC-ETEQSGFNIDFEVSGIYGVLLDG-----LPTLHA 1476
QY 793 PDVIFPFRNSNDVYOSGSGRSTTRVRCSPQKVPYPSGLLPGCSDDCTCCGCFHFL-- 849
DB 1477 VTCAFMKSSDVI-----NYGTPISYALEDDK-----DWT-----PLITD 1511
QY 850 ---W-----ESAACPLCSVADYH--AIVSSCVAGIQKTYVWR---EPKLCGGISL 894
DB 1512 YNGWVLYVNGEKERTINPVSNDGIMHIALITWISIGS-----AMRYVIDGELSDGGTGL 1565

```

## RESULT 9

```

US-09-562-702A-32
; Sequence 32, Application US/09562702A
; Patent No. 6632790
; GENERAL INFORMATION:
; APPLICANT: Yurchenco, Peter
; TITLE OF INVENTION: Laminin 2 and Methods for Its Use
; FILE REFERENCE: 99-274-B
; CURRENT APPLICATION NUMBER: US/09/562,702A
; PRIORITY FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/155,945
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 60/143,289
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/139,198
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/131,720
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 32
; LENGTH: 1572
; TYPE: PRT

```

ORGANISM: Mus musculus  
us-09-562-702A-32

Query Match 4.2% Score 229.5; DB 4; Length 1572;  
Best Local Similarity 19.6%; Pred. No. 4.7e-11;  
Matches 212; Conservative 82; Mismatches 366; Indels 421; Gaps 52;

QY 23 PRLMRLLMAGTAFOVT-----OQTGPELHACKES-----EYHYETACDSTGSRW 68  
DB 95 PMSINLTLLHKAFAIDITYRLKFTSRPESFAIKYKTRREDGPMIPYQYSGSCENTYSKA 154  
QY 69 RAVAPHTPG-----LCTSLDPVKGTECSFSCNAGFELDMKQSCPCABGRISLGTGR 123  
DB 155 NRGFIRTGDEQALCTD-----EFSDI-----SPLTGNVAFST--- 189  
QY 124 FDEWDELPHGFASLSANMELDSDAESTGCTSSKWPYRGDIYAFNTDECTATLMYAVNL 183  
DB 190 -----LEGRPSAVNPDNSPVLQEWIATD-----IRVTL 218  
QY 184 KQSGTVNFE-----YYPDSSIIFFEVQNDQCPNADSRMKTKTEKMEFHSV 233  
DB 219 NRLNITGDEVENDPKYLKSYVAISD-----FAVGRCCKNGHASECVKN-----EFDKL 268  
QY 234 ELNRGNVNL-----YWRTPAFSVWTKVPKVLVRIALITGVAYTSECPC 278  
DB 269 MCNCKNTYGVDECKCLPFNDPRMRATAES-----ASECLPC 307  
QY 279 -----KPGTYADKQSSFCCLCPANSYSNKGETSCHQ-----CDPKYS 317  
DB 308 DCMGRSQECYFDELYRSTGHHGCTNCRDNTDCAKCE-RGRENFFRLGNTAEACSPCHCS 366  
QY 318 EKSSSS-----CNVRPA-----CTDKDYFYTHT-----ACDANGETQLMYKMAK 356  
DB 367 PVGSLSTQCDYSRCKCPGVMGDKCDRCQPGFHSILTEAGRPCSCDPSGSTDECNVETG 426  
QY 357 PKICSEDLGAVNLPASGVKTHCPNCPGFFKTNST---CQPCPGSYSNGSDCTRCPA 413  
DB 427 RCVCXDNVEG-----FNCERCKPGFFNLESNPKGCTPC-FCFGHSSVCTN--- 471  
QY 414 GTEPAVGE-YKMMNLTPLTMMETVLSGINFYKMTGMEV-----AGHIHT 460  
DB 472 -----AVGYSYVDISSTFOIDED-----GMRVEQRDGSBASLEWSSDRQYI 512  
QY 461 AAGASDNDFMILTLVVGFRPPQSVMADEKENKAVITFEVET---LCSVNCGLYPMVGV 517  
DB 513 AV-ISDSYFPRYFIAPVKFLGNQ-VLSYGN-----LSFSFRVDRDRTLSSAEDVLVGA 565  
QY 518 NSRTNTPVETWKS-KKQSYTYIIENNTTSFTW-----AFQ-----RTTF 558  
DB 566 GLRVSVPFLAQGNSYSPEITVKYIFRLHEATIDYPMRPALSPPEFQKLNLNLSIKIRGY 625  
QY 559 HEASRYKTNDVA-----YWRTPAFSVWTKVPKVLVRIALITGVAYTSECPC 278  
DB 626 SESSAGYLDVITQASRPGGVPATWVBSCTCPVGGGCFCTCLPGYRRETPSLGPIYP 685  
QY 576 NVTNVMNGVASYCRP---CALASDVGSCTSCPAIYIIRDSGT---CHSCP----- 622  
DB 686 CVLCTGNGHSETCDPETGVCDCRDNTAGPHCEKSGDYGDSTLGTSSDCQCPGSGSS 745  
QY 623 ---PMT---ILKHHQYGV---QACVPCGCGTKNNKHLSLNDCTSRNTPTPR----- 667  
DB 746 CAIVPTKEVCTHCTGTAGKRCCELCDQSYFEGDPLGS-----NGPFLCRPCOC 795  
QY 668 TPNVNSALANTVTLLAGSPSFTSKGLKYTHH-----FTLSLGNQGRMSVC 714  
DB 796 NMDIDNAYGNCRNLG-----ECLKCIYNTAGFYCDRCKGFFGNPLAPPADCKXKC 849  
QY 715 TDNVTLRLRIPESGSGSKITAYVQAVIIPREYTYKAGV-----SSQPVSLADR 765  
DB 850 ACNYGTGQ---QOSSCNPTGQ-CQCL---PHVSGRDGCTCDPGYNNLQSGQGCERCDC 901  
QY 766 LIGVTDMLTDLGITSFAELFHLBSLGIPIVIFFRANDVYQSCSGSRSTTIRVRC----- 820

DB 902 HALGSTNGQCDIRITGQCE-----COPGITGHCERCETNH 937  
QY 821 -SPQKTVP-----GSLLL-----PGTCS-----DGTCDGCGNFHL-----WESAAACPL 858  
DB 938 GGPBEGCKPCDCHHGHGSLSLQCKDDGRCEGCEGFGVGNRCDCQCEENVYFNRSMPGQCECPA 997  
QY 859 C 859  
DB 998 C 998

## RESULT 10

US-09-561-818A-28  
Sequence 28, Application US/09561818A  
Patent No. 6638907  
GENERAL INFORMATION:  
APPLICANT: Kortesmaa, Jarkko  
TITLE OF INVENTION: Laminin 8 and Methods For Its Use  
FILE REFERENCE: 99/274-D  
CURRENT APPLICATION NUMBER: US/09/561, 818A  
NUMBER OF SEQ ID NOS: 28  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 28  
LENGTH: 1572  
TYPE: PRT  
ORGANISM: Mus musculus  
US-09-561-818A-28

Query Match 4.2% Score 229.5; DB 4; Length 1572;  
Best Local Similarity 19.6%; Pred. No. 4.7e-11;  
Matches 212; Conservative 82; Mismatches 366; Indels 421; Gaps 52;

QY 23 PRLMRLLMAGTAFOVT-----OQTGPELHACKES-----EYHYETACDSTGSRW 68  
DB 95 PMSINLTLLHKAFAIDITYRLKFTSRPESFAIKYKTRREDGPMIPYQYSGSCENTYSKA 154  
QY 69 RAVAPHTPG-----LCTSLDPVKGTECSFSCNAGFELDMKQSCPCABGRISLGTGR 123  
DB 155 NRGFIRTGDEQALCTD-----EFSDI-----SPLTGNVAFST--- 189  
QY 124 FDEWDELPHGFASLSANMELDSDAESTGCTSSKWPYRGDIYAFNTDECTATLMYAVNL 183  
DB 190 -----LEGRPSAVNPDNSPVLQEWIATD-----IRVTL 218  
QY 184 KQSGTVNFE-----YYPDSSIIFFEVQNDQCPNADSRMKTKTEKMEFHSV 233  
DB 219 NRLNITGDEVENDPKYLKSYVAISD-----FAVGRCCKNGHASECVKN-----EFDKL 268  
QY 234 ELNRGNVNL-----YWRTPAFSVWTKVPKVLVRIALITGVAYTSECPC 278  
DB 269 MCNCKNTYGVDECKCLPFNDPRMRATAES-----ASECLPC 307  
QY 279 -----KPGTYADKQSSFCCLCPANSYSNKGETSCHQ-----CDPKYS 317  
DB 308 DCMGRSQECYFDELYRSTGHHGCTNCRDNTDCAKCE-RGRENFFRLGNTAEACSPCHCS 366  
QY 318 EKSSSS-----CNVRPA-----CTDKDYFYTHT-----ACDANGETQLMYKMAK 356  
DB 367 PVGSLSTQCDYSRCKCPGVMGDKCDRCQPGFHSILTEAGRPCSCDPSGSTDECNVETG 426  
QY 357 PKICSEDLGAVNLPASGVKTHCPNCPGFFKTNST---CQPCPGSYSNGSDCTRCPA 413  
DB 427 RCVCXDNVEG-----FNCERCKPGFFNLESNPKGCTPC-FCFGHSSVCTN--- 471  
QY 414 GTEPAVGE-YKMMNLTPLTMMETVLSGINFYKMTGMEV-----AGHIHT 460  
DB 472 -----AVGYSYVDISSTFOIDED-----GMRVEQRDGSBASLEWSSDRQYI 512  
QY 461 AAGASDNDFMILTLVVGFRPPQSVMADEKENKAVITFEVET---LCSVNCGLYPMVGV 517  
DB 513 AV-ISDSYFPRYFIAPVKFLGNQ-VLSYGN-----LSFSFRVDRDRTLSSAEDVLVGA 565

QY 518 NSRNTPEVETWKS-KGKOSYTIIEBNTTSTPTW-----AFQ-----RTTF 558  
 DB 566 GLRVSFPLAAGNSYSESTTVKIFRHEATIDYPMRPAISPPEFQKLNUNLTSIKIRGY 625  
 QY 559 HEASRYXTNDVA-----KITYSI 575  
 DB 626 SERAGYLDVTLQASAPGPVPATWESCTCPVYGQFCETCLPGYRRETPSLGYPSP 685  
 QY 576 NTNNWNGVASYCRP-----CALEASDVGSCTSCPAAGYIIDRDSGT-----CHSCP-----622  
 DB 686 CVLCTGNGHSETDPEYTCDCRNTAGHCEKCSGYGDSLTGTSDDQCPGPGSS 745  
 QY 623 ----PNT--ILKAHOPYGV--QACVPGPGTKNNKIHSLCYNDCTFSRNTPTR-----667  
 DB 746 CALVPTKEVCTHCEFTAGKRCCELDDGYFGDPLGS-----NGPVRLCRPCQC 795  
 QY 668 TERNYNSALANTVTLAAGBSFTSKGLKYPFH-----FTLSLQGNQGRMSVC 714  
 DB 796 NDNIDPNAVGNCRNLG-----ECLKCIYNTAGFYCDRCCKSGFNGPLAPADKCKAC 849  
 QY 715 TDNVTDLRIPEGSGFSKSTAYVCOAVIIPPEVTGYKAGV-----SSQPVSLADR 765  
 DB 850 ACNRYGVQ-----QSSCNPTVGQ--CQCL--PHVSGRDCOTCDPGYNNLQSGQGCRCDC 901  
 QY 766 LIGVTTDMITLDGITSAPLFLHESLGPDIYIFFRSNDVYQSCSSGRSTTIKVC-----820  
 DB 902 HALSTNGQCDIRTGCE-----CQPGITGHCERCETNHF 937  
 QY 821 --SPQKTVP-----GSLLL-----PGTCS-----DGTGCGCNFHL-----WESAACPL 858  
 DB 938 GFGEBGCKPCDCHHESLSLQCKDGRCEGRGFGVNRNDCQCEENFYNRSPGQCECA 997  
 QY 859 C 859  
 DB 998 C 998

RESULT 11  
 US-09-562-702A-30  
 ; Sequence 30, Application US/09562702A  
 ; Patent No. 6632790  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Yurchenco, Peter  
 ; TITLE OF INVENTION: Laminin 2 and Methode for its use  
 ; FILE REFERENCE: 99-274-B  
 ; CURRENT APPLICATION NUMBER: US/09/562, 702A  
 ; CURRENT FILING DATE: 2000-04-28  
 ; PRIOR APPLICATION NUMBER: 60/155, 945  
 ; PRIOR FILING DATE: 1999-09-24  
 ; PRIOR APPLICATION NUMBER: 60/143, 289  
 ; PRIOR FILING DATE: 1999-07-12  
 ; PRIOR APPLICATION NUMBER: 60/139, 198  
 ; PRIOR FILING DATE: 1999-06-15  
 ; PRIOR APPLICATION NUMBER: 60/131, 720  
 ; PRIOR FILING DATE: 1999-04-30  
 ; NUMBER OF SEQ ID NOS: 32  
 ; SOFTWARE: Patent Ver. 2.0  
 ; SEQ ID NO 30  
 ; LENGTH: 1605  
 ; TYPE: PRT  
 ; ORGANISM: Mus musculus  
 US-09-562-702A-30

Query Match 4.2%; Score 229.5; DB 4; Length 1605;  
 Best Local Similarity 19.6%; Pred. No. 4.8e-11;  
 Matches 212; Conservative 82; Mismatches 366; Indels 421; Gaps 52;

QY 23 PRLMRLIMAGTAPQVTV-----QGTPELHACKES-----EYHEVYACDSTGSRM 68  
 DB 128 PMSINILHLGKAFDIYVVLKFTKTRPESFAIYKTRPDGPWIPYOYVSGSCENTYSSKA 187  
 QY 69 RAVVPHRPG-----LCISLDPVYKGTGCSFSCNAGRELDKQSKCPAEGRYSLOTGR 123

DB 188 NRGRFIRGGEGQALCTD-----EFSDI-----SPLTGNVAFST---222  
 QY 124 FDEWDELPHGRASISANMELDDSAESTGCTSSKMWPRGDYIAFYTDECTALIMAVNL 183  
 DB 223 -----LEGRPSAYNFDSNPVLQEWLTAD-----IRVTL 251  
 QY 184 KQSTVNFPE-----YYPDSGIIIEFPVQNDCCQANADSRMKTKTEKGMFHSV 233  
 DB 252 NRLTFDEVEFNDPKVLKSYVAISD-----FVGGRCCKNGHASECVKN-----EFDKL 301  
 QY 234 ELNRGNVL-----YRRTAFSVTWKPKFVLVRLNIAITGVAVTEGFCPC 278  
 DB 302 MCKCKANTYGVDCCKLCPFNDRPMRATLES-----ASEBLPC 340  
 QY 279 -----KPGTVADKQSSFCXLCPANSYSNKGTSCHQ-----CDPDKYS 317  
 DB 341 DCMGRSQEYFDEPLRYASTGHGCHCTCRNNTGAKCE--RCRBNFRLGTEACSPCHCS 399  
 QY 318 EKGSS-----CMRPA-----CTDKXYFYHT-----ACDANGETOVMYKAK 356  
 DB 400 PVGSLSTQCDSYGRCSCKPGVMDKDCRCOPGFHSLTEACGRSCDPSGSTDENVTG 459  
 QY 357 PKISEDLGAVKLPASGVXTHCPNPGFEKTNST---COPQYGSYNSGSDCTRCPA 413  
 DB 460 RCVCKNVWG-----FNCERCKPGFNLSSNPKGCTPC--FCFGHSSVCTN---504  
 QY 414 GTEPAVGEF-YKMNITLPTMNETTVLSGIMPEYKMGTMGEV-----AGHIY 460  
 DB 505 -----AVGSYVDISSTQIODE-----GWEVEORDSSEASLEMSDBQYI 545  
 QY 461 AAGASDNDFMLTLVWGFRRPQSMADTENKEVARTTFEET--LCSVNCELYFVAVG 517  
 DB 546 AV-ISDSYFRYFIAPKFLGNQ-VLSYGN-----LSFSFRDRADRTRLSABDLVEGA 598  
 QY 518 NSRNTPEVETWKS-KGKOSYTIIEBNTTSTPTW-----AFQ-----RTTF 558  
 DB 599 GLRVSFPLAAGNSYSESTTVKIFRHEATIDYPMRPAISPPEFQKLNUNLTSIKIRGY 625  
 QY 559 HEASRYXTNDVA-----KITYSI 575  
 DB 659 SERAGYLDVTLQASAPGPVPATWESCTCPVYGQFCETCLPGYRRETPSLGYPSP 685  
 QY 576 NTNNWNGVASYCRP-----CALEASDVGSCTSCPAAGYIIDRDSGT-----CHSCP-----622  
 DB 719 CVLCTGNGHSETDPEYTCDCRNTAGHCEKCSGYGDSLTGTSDDQCPGPGSS 745  
 QY 623 ----PNT--ILKAHOPYGV--QACVPGPGTKNNKIHSLCYNDCTFSRNTPTR-----667  
 DB 779 CALVPTKEVCTHCEFTAGKRCCELDDGYFGDPLGS-----NGPVRLCRPCQC 828  
 QY 668 TERNYNSALANTVTLAAGBSFTSKGLKYPFH-----FTLSLQGNQGRMSVC 714  
 DB 829 NDNIDPNAVGNCRNLG-----ECLKCIYNTAGFYCDRCCKSGFNGPLAPADKCKAC 849  
 QY 715 TDNVTDLRIPEGSGFSKSTAYVCOAVIIPPEVTGYKAGV-----SSQPVSLADR 765  
 DB 883 ACNRYGVQ-----QSSCNPTVGQ--CQCL--PHVSGRDCOTCDPGYNNLQSGQGCRCDC 901  
 QY 766 LIGVTTDMITLDGITSAPLFLHESLGPDIYIFFRSNDVYQSCSSGRSTTIKVC-----820  
 DB 935 HALSTNGQCDIRTGCE-----CQPGITGHCERCETNHF 970  
 QY 821 --SPQKTVP-----GSLLL-----PGTCS-----DGTGCGCNFHL-----WESAACPL 858  
 DB 971 GFGEBGCKPCDCHHESLSLQCKDGRCEGRGFGVNRNDCQCEENFYNRSPGQCECA 1030  
 QY 859 C 859  
 DB 1031 C 1031

RESULT 12

```

US-09-561-818A-26
; Sequence 26, Application US/09561818A
; Patent No. 6638907
; GENERAL INFORMATION:
; APPLICANT: Korteasaa, Jariko
; APPLICANT: Tyggvaason, Karl
; TITLE OF INVENTION: Laminin 8 and Methods for Its Use
; FILE REFERENCE: 99,274-D
; CURRENT APPLICATION NUMBER: US/09/561,818A
; CURRENT FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 1605
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-561-818A-26

Query Match          4.2%; Score 229.5; DB 4; Length 1605;
Best Local Similarity 19.6%; Pred. No. 4.8e-11;
Matches 212; Conservative 82; Mismatches 366; Indels 421; Gaps 52;

QY 23 PRLMLRLMAGTAFOVT-----QGTGPELHACKES-----EYHYEYTAGDSTGSRM 68
DB 128 PMSINILHLGKAFDITVYALKFHTSRPESFAIKKTRREDGPMIPQYISGSCENTYSKA 187
QY 69 RVAVPHTPG-----LCTSLPDPVKGTBCSFSCNAGEFLDMKQSCPCABGRYSLGTAIR 123
DB 188 NRGFIRIRGGEQALCTD-----EFSID-----SPLTGAVAFST----- 222
QY 124 FDEMDLPHGFASLSANMELDASAESTGNCSSKVPNRPDYLAFNTDECTATLMAVNL 183
DB 223 -----LBSRPSAYNFNDNSPVUQENTATD-----IRVTL 251
QY 184 KQSGTVNFE-----YYPDSSITIEFFVQNDQCPNADSRKMKTKTEKMEFHSV 233
DB 252 NRIITGDEVEFNDPKVLKSYVAISD-----FAVGRCCKNGHASCVCN-----EFDKL 301
QY 234 ELNRGNVNL-----YMRTAFSVMTVPRKVLVRLNIAIGVATSCFPC 278
DB 302 MCNCKANTYGVDCCKLPFPNDRPMKRAIES-----ASBCLPC 340
QY 279 -----KPGTYADKQSSFCXLCFANSSYNKGETSCHQ-----CDPDKYS 317
DB 341 DCMGRSGECYFDELYRSTGHGHCNCRNDTGACB-RCRNFPRLTGTEACSPCHGS 399
QY 318 EKSSSS-----CNVRPA-----CTDKDYFTYHT-----ACDANGETOLMKYMAK 356
DB 400 PVSLSLTQDCSYRCCKPGWMDKCDRCOPGFHSLTEAGCRPCSDPFGSTDEBCEVETG 459
QY 357 PKICSEDLLEGAVLPAASGVKTHCPNCPGFEKTNST-----COPCPYGSNSGSDCTRCPA 413
DB 460 RCKCKXNVE-----FNCERCKPGRFNLESSNPKGCTPC-FCGHSVCYN----- 504
QY 414 GTEPAVNGE-YKMWNTLPTNMTETVLGGINFEYKMGMTGWEV-----AGDHIYT 460
DB 505 -----AVGYSYVDISSTFOIDED-----GMRVQRDSEASLEWSSDROYI 545
QY 461 AAGASNDPMILTLVYVGFRRPOSVADTENKEVARITFVEF-----LGSVNCELYMVGAV 517
DB 546 AV-ISISYPRFYIAVYKFLGNO-VLSTYGN-----LSFSFRVDRDRTLRSABDVLBEA 598
QY 518 NSSTNTPVETWKS-KGKOSYTYIIEBNTTSFTW-----AFQ-----RTTF 558
DB 599 GLRVSYPVLLAQGNSYSESETVXYIFRLHEATDYPWBPALSPFEQCLANLNLISIKIRGY 658
QY 559 HEASRYTNDVA-----KIYI 575
DB 659 SEESAGYLDVTLQSAAPGPGVATWBSCTCPVYGGGOCETCLFGYRRETPSLGAPSP 718
QY 576 NYTNWNGVAVSYCRP-----CALBASDVGSCTSCPAGYIYIDRDSGT-----CHSCP----- 622
DB 719 CVLCTCNCHSEETCDPEFNGVCDKADNTAGPHCEKCSGGYGGDSTLGTSSQCPGCPGSS 778

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QY 623 ----PNT--ILKAOPYGV--QACVPCGPGTKNNKIHSLCYNDCTFSNHTPTR----- 667
DB 779 CAIVKTEKVEVCTHPTPTAGRCCLCDDGFYGGDPLS-----NGVRLCRPCQC 828
QY 668 TENVNFSALANTVTLAGGPFSTKGLKTFHH-----FTLSLGNQGRKMSVC 714
DB 829 NDNIIDPMVNGCNRLTG-----ECLKCIYTAGFYCDRCRKEGFGFNELANPAPDKCAC 882
QY 745 TDNVTDLIPGEGESGFSKITAVVQAVIIPPEVYKAGV-----SSQPVSLADR 765
DB 883 ACNVTGQ-----QSSCNPVITGQ-CQCL-----PHVSGRCGICDPRYVNLQSGQGERDC 934
QY 766 LIGVTTMTLDTGITSFALFHLBSLGIPIVYFFYRSNDVTGSCSSGRSTTRVRC----- 820
DB 935 HALGSTNGQCDIRITQCE-----CQGITGQCHERCEITNHF 970
QY 821 --SPKATP-----GSHLL-----PGTCS-----DGTCDGCONFHL-----WESAAACPL 858
DB 971 GFGPGCKPCDCHHEGSLSLCKDCKDRCCEBGFVGNRCDCBZYFYNSMPCGQBCPA 1030
QY 859 C 859
DB 1031 C 1031

RESULT 13
US-09-911-842A-2
; Sequence 2, Application US/09911842A
; Patent No. 6656707
; GENERAL INFORMATION:
; APPLICANT: Amgen Inc.
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF
; FILE REFERENCE: 01017/37592
; CURRENT APPLICATION NUMBER: US/09/911,842A
; CURRENT FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US 60/222,438
; PRIOR FILING DATE: 2000-08-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 3571
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-911-842A-2

Query Match          3.8%; Score 209.5; DB 4; Length 3571;
Best Local Similarity 20.4%; Pred. No. 1.1e-08;
Matches 198; Conservative 98; Mismatches 328; Indels 345; Gaps 53;

QY 47 HACKSEHYHYVTAQDSTGSRWRAVPHTPGLCTSLPVPKGTGCSFSCNAGEFL----- 101
DB 795 HGFSEFEMFYTAARCDT-----DIAKKPSEAPETTLGKRVPSFCS 835
QY 102 DMKQSC-----KPCABGRYSLGTGIRFDEMDLPHGF-ASLSANMELD-----S 146
DB 836 DAEDIDCRLLENLTKYCLEFNYDYENGFAIG-----PGWGAAANRLDYSDDELDTVOE 890
QY 147 AASGNGCTSS--KMWVRGDY--IAFN-----TDECATL-----MYAVN 182
DB 891 TATISGNKXSRIRKSAFLSYKTLFNITASVLPBBERDITLMEWNOQRLLOTLEIT 950
QY 183 LKQSGTVNFEYYPDSSIIPEFFVQNDQCPNADSRKMKTKTEKMEFHSVELNRGNVNL 242
DB 951 NKLKRTILKDDMY-SFLASEILIA-----DSNLSLTKK-----ASPCRPQSVL 994
QY 243 YMRITAFSVMTKVPVYVRLNIAITGYATSE-----CFPCCKGTATADKQGSFCKLCPANS 299
DB 995 RGRMC-----VNCPL-----GTYYNLEHFTCSGRIGSYQDEBGGJECCLCPSGM 1039
QY 300 YS-----NKGETSCH-QCDPDKYSEKSSCNVREACTDKYFYHTACDANGETOLMYKW 354
DB 1040 YTEYIHSNINISDCAQCKQGTYSYGLJETCSGFLGTGYQPRFGRSCLSC----- 1089

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QY 355 AKRICESDEGAVKLPASGVKTHCPKPNCG--FFKTNNSTCOCPFGYSYNSGD---CTR 410  
DB 1090 --PENTSTYKRGKAVNISACV-----PCBPKRSRGMLPCHCPRDYQYPAKAGACFLA 1142  
QY 411 CP-AGTEPAVGEYKMMNTLPTMETTVLSGINFEYKMTGMEVADH1Y7AASDND 469  
DB 1143 CPEYGTTPFAG-----SRSITECSFS-----STPSAEEB----- 1173  
QY 470 MILTVGPRPQSVMADEENKEVARIF--VFETLGSVN-----CELYM 514  
DB 1174 ---V--PASLGH1KIKRHEISSQVHECFEPNCHNSGTCQOLGSGYCLPGLG- 1223  
QY 515 VGVNSRTN---TPV-----ETWKGSKKOSYTYIIEENTTTSTMAF 553  
DB 1224 TGKCEIDDECSPLPLANNVCKDLVGEFICEPFGYTGQR-----CEEN----- 1269  
QY 554 QRTTFBASKRYNDVAKIYSINVTVMNGVASY--CRPCALEASDVSSCTGCPAGYID 612  
DB 1270 -----INECSSPCLNKGLCVQGVAGYRC-----TCVKGFGVGHCE 1305  
QY 613 RDSGTCHS--CPNTILKAHQPYQVQACVPCGPTKNNK-----IHSLYNDCTFSRNT 665  
DB 1306 TEMNECOSNCLNNAVCEQVGFLOKCPFGFLGTGCKGVNDECLSQPCNGATCKDG-- 1363  
QY 666 TRTFNYSALANTVTLAGSPSTSGKLYFHFTLSL--C-GNQRKMSVCTDNTDLR 722  
DB 1364 -----ANSFRCLCAAGFTG--HCELINECOSNPRNATCVD----- 1400  
QY 723 IPBESGFSKSTAYVQCAVITPEVTVGKAV--SSQPVSLADRLIGTTMDITDITSP 781  
DB 1401 -----ELNYSKCC--QPGFSGRKCTEQSTGRPLDPEVSGIYGVWLDGM-- 1444  
QY 782 AELFHESLGIPVIFPYSND-----VTQSCSSGRSTTRVRCSPOKTVPGSILLFG 834  
DB 1445 -----LPSLHALCTEFMKSSDDMNYGTPISYAVDNGSDNT-----LLT-- 1483  
QY 835 TCSDGTCDGCHFLW-----ESAACPLCSVADYH--AIYSCVAGIQTYYWREP 885  
DB 1484 TDYNG-----WLYVNGREKITTCPSVNDGSRWHIATWISANGIMK--YIDG 1530  
QY 886 KLCGGGISTL 894  
DB 1531 KLSGGGAGL 1539

RESULT 14  
US-09-845-583A-10  
; Sequence 10, Application US/09845583A  
; Patent No. 6635616  
; GENERAL INFORMATION:  
; APPLICANT: Burgeson, Robert  
; APPLICANT: Brunken, William Joseph  
; APPLICANT: Champlaud, Marie-France  
; APPLICANT: Hunter, Dale  
; TITLE OF INVENTION: LAMININ 15 AND USES THEREOF  
; FILE REFERENCE: 10287-056001  
; CURRENT APPLICATION NUMBER: US/09/845,583A  
; CURRENT FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: US 60/200,863  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 10  
; LENGTH: 1587  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-845-583A-10

Query Match 3.5%; Score 192; DB 4; Length 1587;  
Best Local Similarity 19.0%; Pred. No. 1,1e-07;  
Matches 204; Conservative 114; Mismatches 354; Indels 404; Gaps 65;

QY 32 AGTAFOYTOGTPELHACKSEHYEYTAODSTGSRMRVAVPHTPGLCTSLPDPVKTEC 91  
DB 70 AGACRCRQADAPORH--HNASYLTDPSODE--STW---OSPSMAFGVQYF--TSV 118  
QY 92 SFGNAGE-----FLDKDQSCRCPCAGRSLSIGTGFID--EMDELPHGFASLANNELD 145  
DB 119 NITRLGANEYITVRLKFTHSRSPAIYKRS--RADPWE--PQFISAS----- 166  
QY 146 SAAESTGCTSSKMWPRGDIYAFNTDE---CTATLVAANLKSGTTFNE-----Y 193  
DB 167 -----CQKTYRPRGQYLRLPGEDEBRAVAFCTSEFS--DISPAGNVAFTLEGPSAY 217  
QY 194 YTPDSSIIFFEFVNDQCPRAADSRMKTKTEKMEHSELNR-----GNVYL----- 242  
DB 218 NFESPGLQF-----WVTESEL-----LISDLNLTFTGDIKDPKVLQ 256  
QY 243 --YRTTAFSYWTKVPVLRNIAITGVAITYSEPCPKQGTAYADKQSSFCMLCPANSY 300  
DB 257 SYIYAVDSFYSGRCKCN-----GHASPCG-----DVAGQLACR--CQNTT 297  
QY 301 SNKETSCHQCDP--DYISEKSSS-----CNV--RPACT-DNDYTYT----- 338  
DB 298 G-----TDCERCLPFQDRPMARGTAEAHCLPCNCSGRSEBCTFDELFRTSGHGRC 353  
QY 339 ---HTA-----CDANGETOLMYKMAKPKI---CSEDEGAVKLPASGVKT----- 377  
DB 354 HCRDHTAGPHRCQEN-----FYHW--DEPMPCPCDQCSAGSLHLCDDTGTCAKPTV 407  
QY 378 --HPCPNPGFFKTNSTQPC--PYGSYS-----NSGDCIRCPGTE 416  
DB 408 TGMKCDRLPGFHSLSBGCRPTCNPAGSLDTCPRSGRCCKENVEGNLJCRCRGT- 466  
QY 417 PAVGEYKMMNTLTLTN-----METTVLSGINFE-----YKMGTM--EVA 454  
DB 467 -----FLOQHNPAQSCSCCYGHSKACSTAFQVHNHILSDHQAEGMAASVG 517  
QY 455 G-----DHIYTAAG--ASDNDF-----MILTVVGRFPQSVMA 489  
DB 518 GSEHSPQSPNGVLLSPDEHELTAPGKLCDOGFYSQPIILTFRVPDPSLPVQLRL 577  
QY 490 ENKEVARTTFPFLCSVNCGLYFMVGNVSTNTPVETWKGSKKQSYTYIIEENTTS- 548  
DB 578 EGTGLA-----LSLRHSLSGPDQDARSQGRQAVPFIQETSEDPAR 618  
QY 549 --FTWAFORTTFHEASRY-----TNDVAKIY--SINVTVMNGV--ASYCRPCALEAS 596  
DB 619 PLRPFHFORLNLNLISLRVSPSPAGPVFLTEVRLTSARPLSPASVETICSCPTG 678  
QY 597 DVGSSCTGCPAGYIYDRDSC-----TCH--SCPPNT--ILKAHQPYQVQACVPCG 642  
DB 679 YTGQPCBSCAPGYKEMFGQGPVYASVCPCTONOGTCDPNTGICVCSHTEG--PSCERCL 737  
QY 643 PGTNNKRIHSLCYQDCTFSRNTPTRTFNYSALANTVTLAGSPSFTSGIKYFHFTLS 702  
DB 738 PGFYGNPFAQA--DDC--QPCPCG-----QSACTIIPBSG-----EYVCT 775  
QY 703 LC--GNQRKMSVCTDNTDLIRIPEGSGFSKSTAYVQCAVITPEVY----- 748  
DB 776 HCPQQRGRRCVEVDGPF--FGDPLGLFGHPQRCQCSGNDVPAVNGCDPLSGCLR 833  
QY 749 -----TG-----YKAGVSSQPVSLADRLI-----GVTMTLTDGITS 785  
DB 834 CLHNTTGDHCHCOBGFYGSALAPRP--ADKMPSCCHPOGSSISBQMPDPRVYTGQSC- 889  
QY 786 HLESIGIPDVIFFRNSNDVTQSCSGSRTTRVACSPQKTVPGSL--LLPG----- 834  
DB 890 -----LPHV-----TARDG-----RC-----YPGFFDLQPGGCRCKCHP 921  
QY 835 -----TSGDG-----TDCGCHFLMESAACPLCSVADYHAYVSSC 871  
DB 922 LSGEDQCHPKTGQCTCRPGVTGQACDRCOLGFGSSSIKGRACRCSPLGASACQ 977

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RESULT 15
US-09-561-709B-3
; Sequence 3, Application US/09561709B
; Patent No. 6682911
; GENERAL INFORMATION:
; APPLICANT: Burgeson, Robert
; APPLICANT: Champlaud, Marie-France
; APPLICANT: Olsson, Pamela
; APPLICANT: Koch, Manuel
; APPLICANT: Brunken, William
; TITLE OF INVENTION: LAMININS AND USES THEREOF
; FILE REFERENCE: 10287-060001
; CURRENT APPLICATION NUMBER: US/09/561, 709B
; CURRENT FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 09/168, 949
; PRIOR FILING DATE: 1998-10-09
; PRIOR APPLICATION NUMBER: US 60/061, 609
; PRIOR FILING DATE: 1997-10-10
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1587
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-561-709B-3

Query Match      3.5%; Score 192; DB 4; Length 1587;
Best Local Similarity 19.0%; Pred. No. 1,1e-07;
Matches 204; Conservative 114; Mismatches 354; Indels 404; Gaps 65;

QY 32 AGTAFVOTGTGSELHACKSEHYEYIACDSTGSRVAVRHTPELCLSLDPVYGTGC 91
DB 70 AGHACRCRDAADPDRH--HNASTYLPDHSODE--STW---QSPSMAGVQYP---TSV 118
QY 92 SFSQCNAGE-----FLDMKQSCPKCAEGYSLGTGIRFD--EWDLPHPGASLSANMELD 145
DB 119 NITLRGKAYEITVYALKFHTSRPESFATYKRS--RADGPWE--PYGFYSAS----- 166
QY 146 SAAESTGNTCTSSKRWVRGDIYANTDE---CTATLMAVNLKQSGTVNFE-----Y 193
DB 167 -----CQKTGRPEGQYLRPEDEERYAFCTSEFS--DISPLSGNVAFSTLEGRPSAY 217
QY 194 YPDSIIIEFFVQNDQCPNADDSRMKTEKWEFFHSEVLR---GNNVL----- 242
DB 218 NFESBPLQE-----WVSTEL-----LISLDRINTREGDIFKQPKYIQ 256
QY 243 --YKRTTASVWTKVPEVLAVERNIAITGYATSECPCKPGTYADKQSSFKLCPANSY 300
DB 257 SYTYAVSDFSVGRCKCN-----GHASECGP-----DVAQLACR--CQHNNT 297
QY 301 SNKGETSCHQCDP---DKYSEKSSS-----CNV---RPACT--DKDYFYT----- 338
DB 298 G---TDCEKRLPFQDRPMARGTAAEAHCLPCNCSGSEBCTFDELFRSTGHGGRCH 353
QY 339 ---HTA-----CDANGETQLMYKWKPKRI---CSEDLGAVKLPASGVKT----- 377
DB 354 HCRDHTAGPCHERCQEN---FYHW--DPRMPCQPCDQASGSLHLQCDDTGTCAKCTPV 407
QY 378 ---HCPCKNPGFKTKNNTCQPC---PYGSYS-----NGSDCTRCPGATG 416
DB 408 TGMKCDRCRLPGFHSLSGGRPCPCNPAAGSLDTCDRSGRCPCKENVEGNLDCRCRPGT- 466
QY 417 PAVGFEYKMWNTLPTN-----METVLSGINFE-----YKGMTGM---EVA 454
DB 467 -----FNLQPHNPAGSSCFYGHGKVCASATQGFVHHILSDPHQAGAGWMAASVG 517
QY 455 G-----DHIYTAG--ASDNDP-----MULTLVYPCFRPPQSYMADT 489
DB 518 GSEHSQWSPNGVLLSPDEEBELTAGKFLGDQRFYSQPLILITFRVPPGDSPLPVQLTL 577
QY 490 ENKEVARIITFEFTLCSVNCCLYFMVGVNSRTNTPVETWKGSKGKOSYTIIEENTTTS- 548
DB 578 EGTGLA-----LSLHSSLSLGRQDARAAGCGRAQVPLQETSEDVAP 618

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QY 549 --FTWAFORTTPEASRKY-----TNDVAKYI--SINTVNMNGV---ASYCRPCALBAS 596
DB 619 PLPFPFQBLANLTSILRVSPPGSPAGVYFLEVERLTSARPGLSPASWVEIJCPTG 678
QY 597 DVSSSTCSCPAGYIYDRDSG-----TCH---SCBPNT--ILKAQPYGVQACVBCG 642
DB 679 YTGQFCESCAPGKREMPQGGPVASCVPCTCNQHGTCDEPNTGICVCSHTTBG--PSCERCL 737
QY 643 PGTNNKXIHSLCYNDCTFSNTPRTPTMNSALANTYTLAGBFTSKGLKYFHHFTLS 702
DB 738 PEFYGNPPAGQA--DQC---QPCPCG-----QSACTTIPESG-----EYVCT 775
QY 703 LC--GNQGRKMSVCTDNTDRLRIPGESGFSKSIYAVQCAVILPEV----- 748
DB 776 HCPFGQRARCEVDDGF--FGDPLGLFGHPQPCQCQCCSGNVDPNAGNCDPLSGHCLR 833
QY 749 ---TG-----YKAGVSQPVSLADRLI-----GTTDMTLDTGITSPELFL 785
DB 834 CLHNTTGDHCHECGEGFYGSALAPRP--ADKMCPCSCHPQGSVSEQWPCDPVTGQCSG- 889
QY 786 HLESIGIPDYLFYRSDNVTQSCSSGRSTTIRVRCSPQKTVGSL--LLPG----- 834
DB 890 -----LPHV-----TARDCS-----RC-----YRGFPDLPGRGCRSKCHP 921
QY 835 -----TCSDG---TCQGNFHTMESAAACPLCSVADYHAIVSSC 871
DB 922 LSGQEDQCHPXTGQCTCRPGVTGQACDRQCGFGFSSIKGGRACRCSPLGAASAQC 977

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Search completed: June 18, 2004, 11:39:34  
 UoD time : 31 secs

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